

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

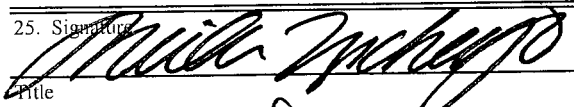
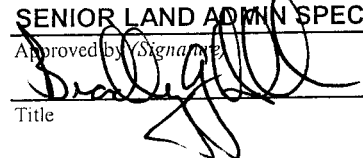
FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-01193</b>
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>
2. Name of Operator <b>KERR MCGEE OIL AND GAS ONSHORE LP</b>		7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>
3A. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>	3b. Phone No. (include area code) <b>(435) 781-7024</b>	8. Lease Name and Well No. <b>NBU 921-14A</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>NE/NE 1239'FNL, 883'FEL 626945' 40.039923</b> At proposed prod. Zone <b>4433039' -109.512024</b>		9. API Well No. <b>43-047-39249</b>
14. Distance in miles and direction from nearest town or post office* <b>20.4 +/- MILES FROM OURAY, UTAH</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>883'</b>	16. No. of Acres in lease <b>1920.00</b>	11. Sec., T., R., M., or Blk. and Survey or Area <b>SEC. 14, T9S, R21E</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>	19. Proposed Depth <b>9970'</b>	12. County or Parish <b>UINTAH</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>4777'GL</b>		13. State <b>UTAH</b>
22. Approximate date work will start* <b>UPON APPROVAL</b>		17. Spacing Unit dedicated to this well <b>40.00</b>
23. Estimated duration <b>TO BE DETERMINED</b>		20. BLM/BIA Bond No. on file <b>RLB0005239</b>

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>4/19/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by Signature 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>04-26-07</b>
Title <b>ENVIRONMENTAL MANAGER</b>		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

APR 23 2007

DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action Is Necessary

T9S, R21E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

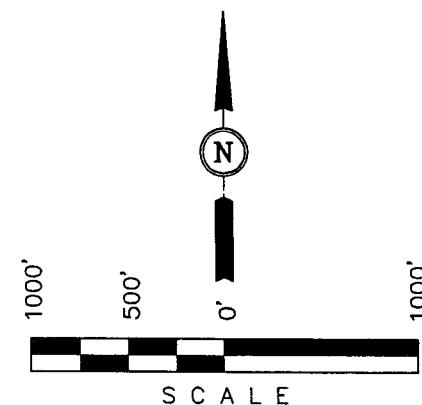
Well location, NBU #921-14A, located as shown in the NE 1/4 NE 1/4 of Section 14, T9S, R21E, S.L.B.&M. Uintah County, Utah.

### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

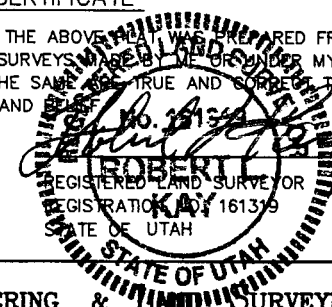
### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



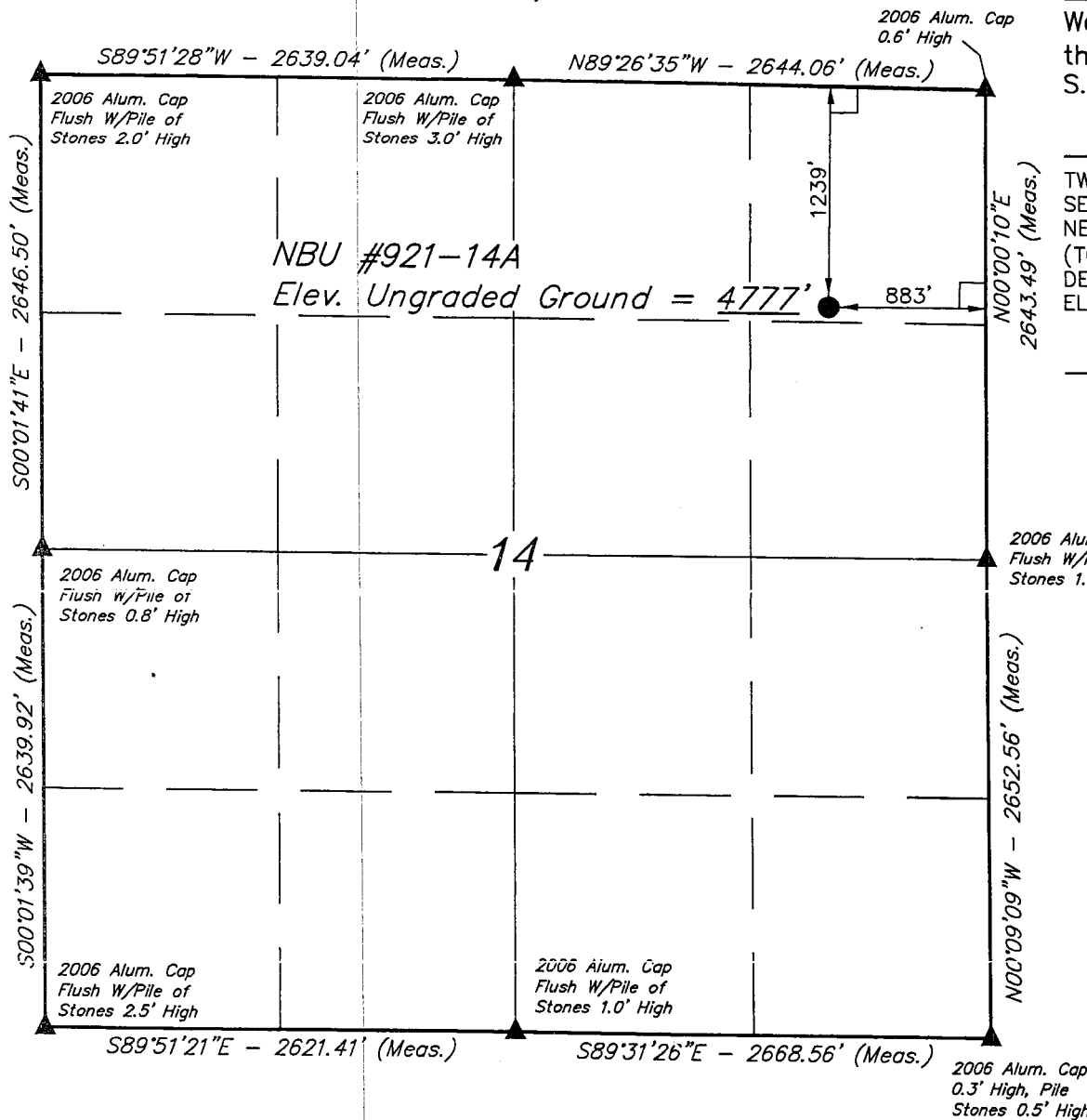
### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-22-07	DATE DRAWN: 01-25-07
PARTY D.A. B.M. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	



### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 40°02'23.70" (40.039917)  
LONGITUDE = 109°30'45.87" (109.512742)  
(NAD 27)  
LATITUDE = 40°02'23.83" (40.039953)  
LONGITUDE = 109°30'43.40" (109.512056)

NBU 921-14A  
NE/NE Sec. 14, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-01193

ONSHORE ORDER NO. 1

***DRILLING PROGRAM***

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1684'
Top of Birds Nest Water	2015'
Mahogany	2378'
Wasatch	5028'
Mesaverde	7808'
MVU2	8762'
MVL1	9331'
TD	9970'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1684'
	Top of Birds Nest Water	2015'
	Mahogany	2378'
Gas	Wasatch	5028'
Gas	Mesaverde	7808'
Gas	MVU2	8762'
Gas	MVL1	9331'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

4. **Proposed Casing & Cementing Program:**

*Please see the Natural Buttes Unit SOP.*

5. **Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

6. **Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9970' TD, approximately equals 6181 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3988 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please see Natural Buttes Unit SOP.*

10. **Other Information:**

*Please see Natural Buttes Unit SOP.*

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# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

							DESIGN FACTORS		
	SIZE	INTERVAL		WT	GR	CPLG	BUST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'					2270	1370	254000
SURFACE	9-5/8"	0	to 2200	32.30	H-40	STC	0.58*****	1.33	3.45
	9-5/8"	2200	to 2600	36.00	J-55	STC	1.15*****	1.66	7.67
PRODUCTION	4-1/2"	0	to 9970	11.60	I-80	LTC	7780	6350	201000
							1.98	1.04	1.99

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TD)
- (Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing \* Buoy. Fact. of water)
- MASP 3924 psi
- \*\*\*\*\* Burst SF is low but csg is stronger than formation at 2600 feet
- \*\*\*\*\* EMW @ 2600 for 2270# is 16.8 ppg or 0.9 psi/ft

## CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	NOTE: If well will circulate water to surface, option 2 will be utilized						
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,520'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	490	60%	11.00	3.38
	TAIL	5,450'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1520	60%	14.30	1.31

\*Substitute caliper hole volume plus 3% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Tolco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

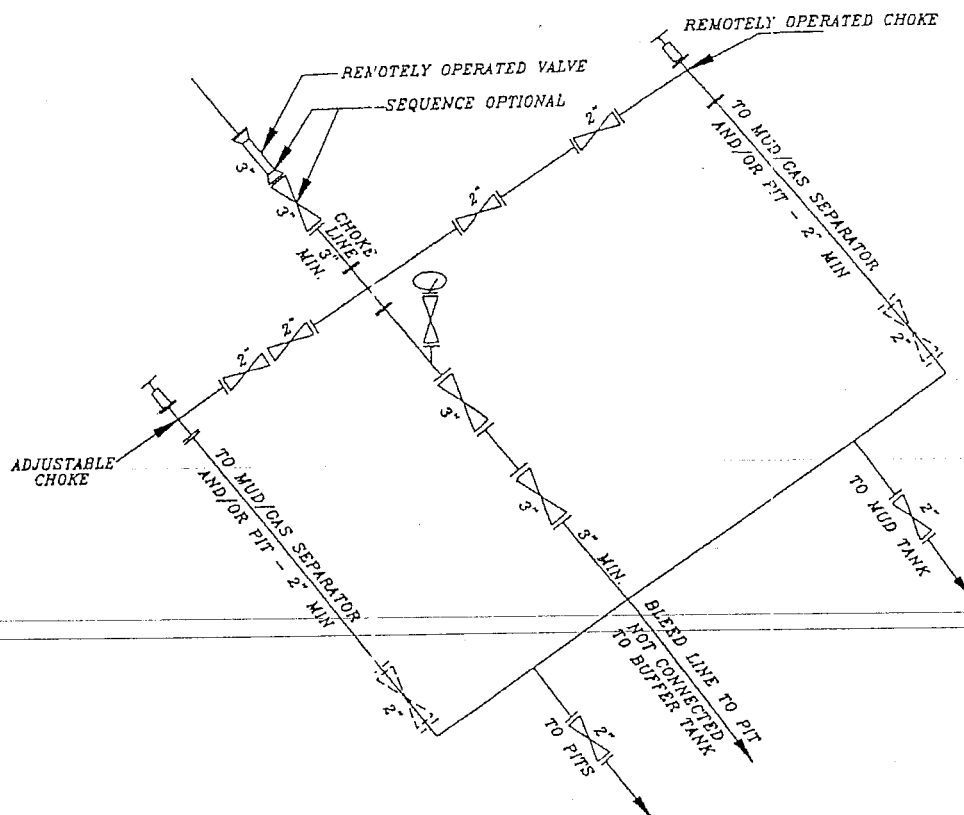
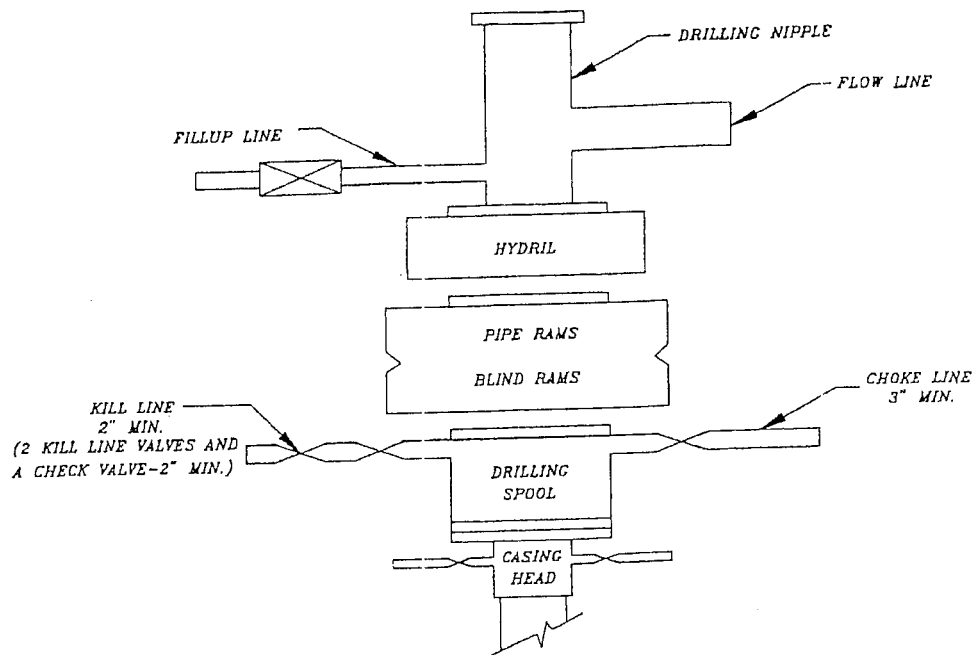
DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 921-14A  
NE/NE SEC. 13, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-01193

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

**2. Planned Access Roads:**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

Approximately 260' +/- of new access road. Please refer to the attached Topo Map B.

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

*Please see the Natural Buttes Unit SOP.*

Approximately 187' +/- of 4" pipeline is proposed from the location to an existing pipeline. Refer to Topo Map D.

Approximately 1365' +/- of high pressure pipeline is proposed from an existing pipeline to the proposed pipeline. Refer to Topo Map D.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

**5. Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

**6. Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

**7. Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*



Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*)

8. **Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

*Please see the Natural Buttes SOP.*

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe  
P.O. Box 70  
Fort Duchesne, Utah 84026  
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

**13. Lessee's or Operator's Representative & Certification:**

Sheila Upchego  
Senior Land Admin Specialist  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

4/19/2007  
Date

Kerr-McGee Oil & Gas Onshore LP  
NBU #921-14A  
SECTION 14, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY DIRECTION APPROXIMATELY 26' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.4 MILES.

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# Kerr-McGee Oil & Gas Onshore LP

## NBU #921-14A

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 14, T9S, R21E, S.L.B.&M.

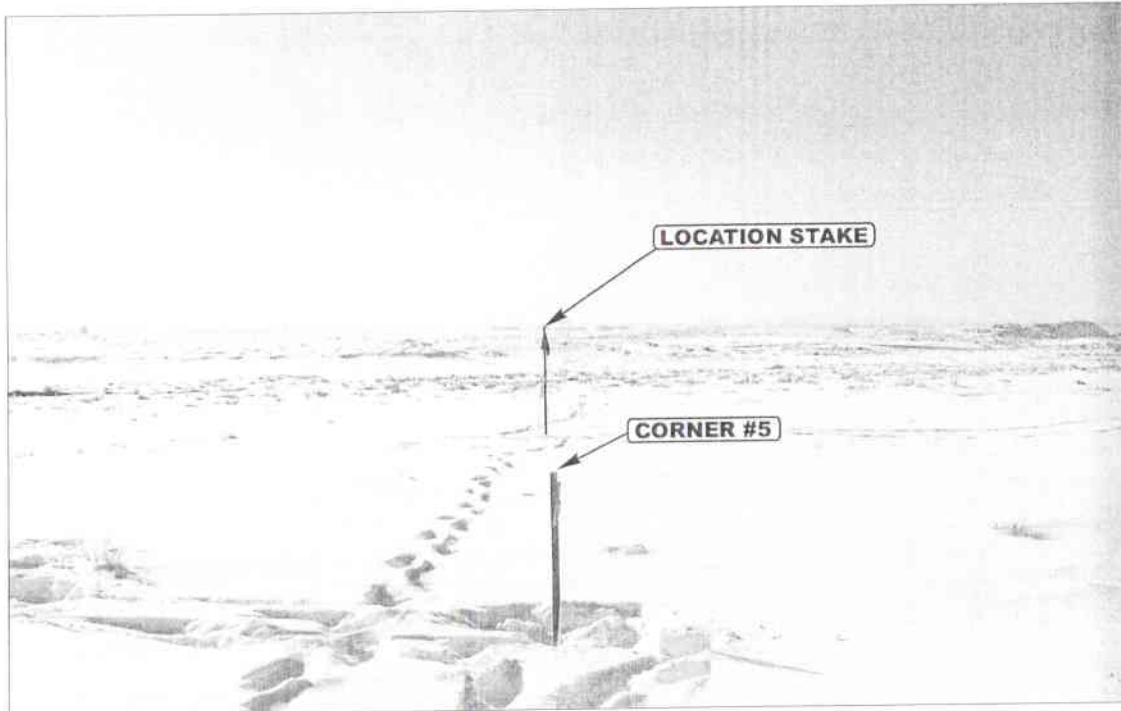


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY

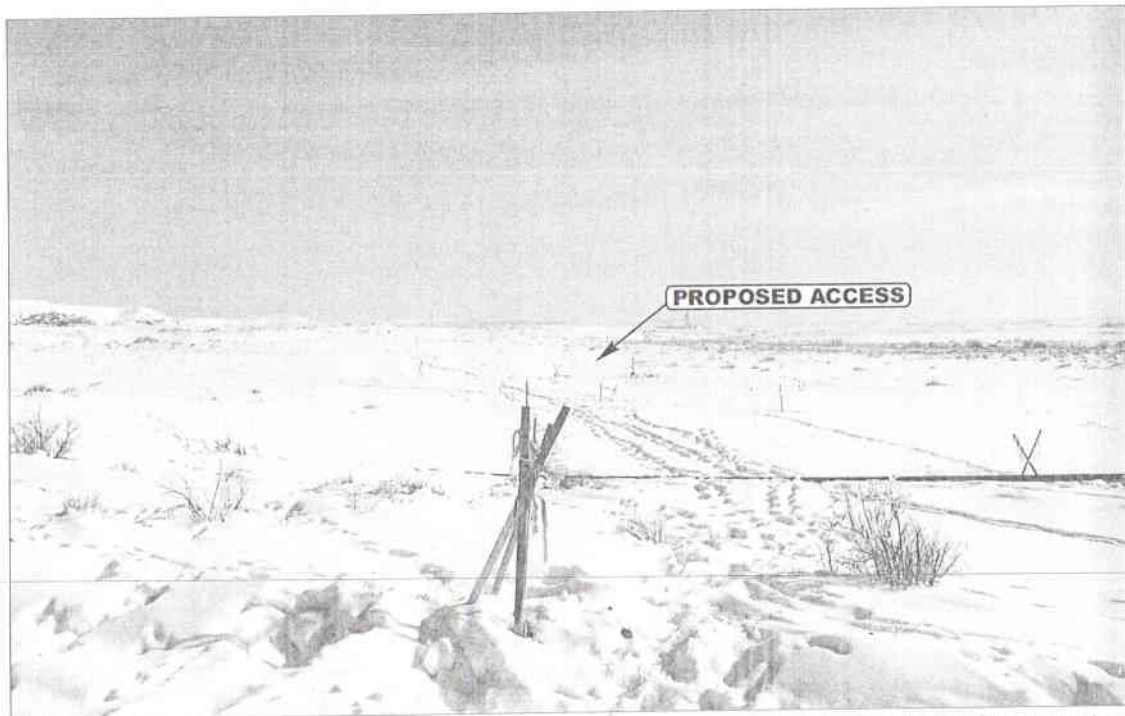


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

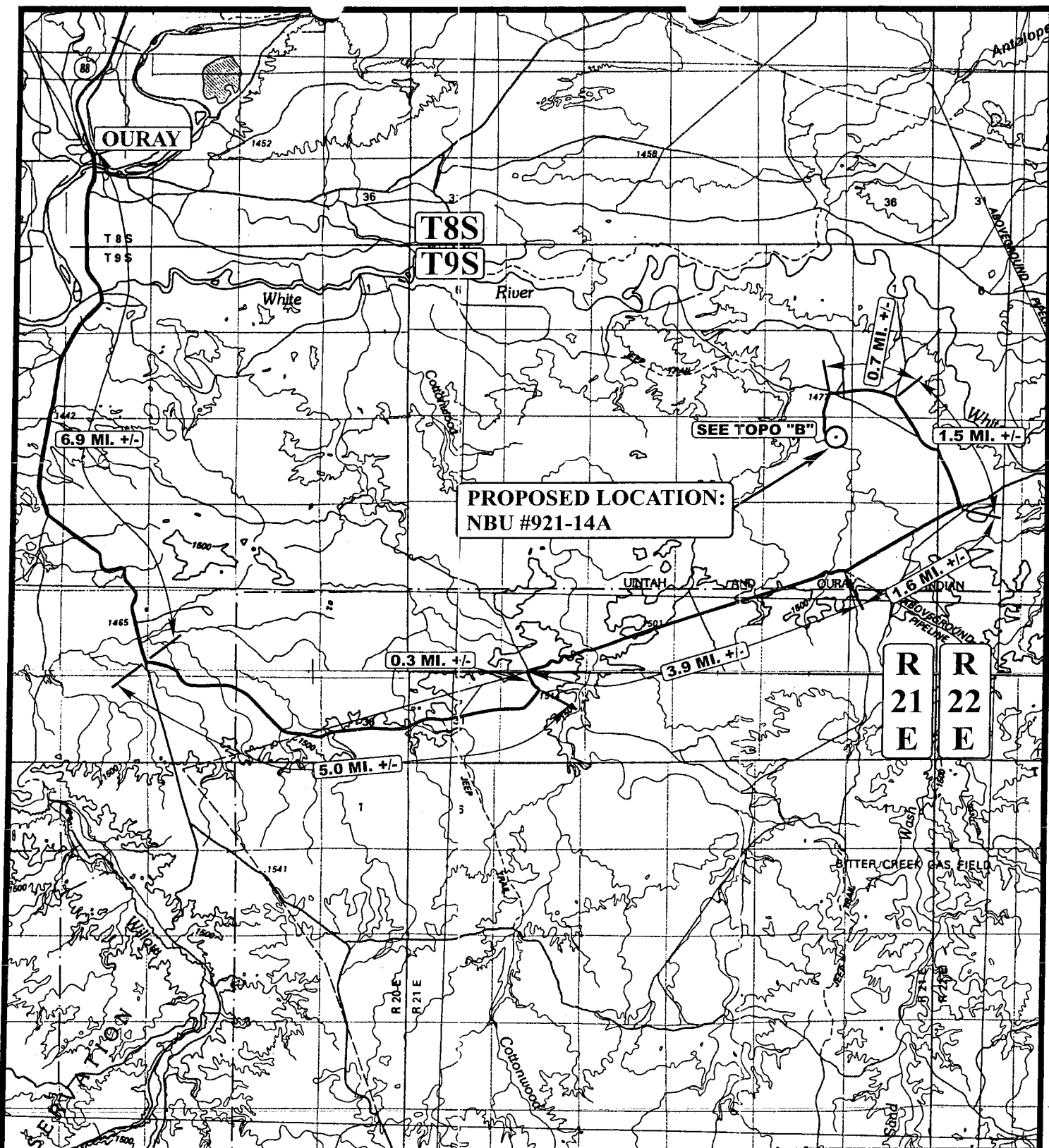
01 23 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: L.K.

REVISED: 00-00-00



# **LEGEND:**

○ PROPOSED LOCATION



## **Kerr-McGee Oil & Gas Onshore LP**

NBU #921-14A  
SECTION 14, T9S, R21E, S.L.B.&M.  
1239' FNL 883' FEL



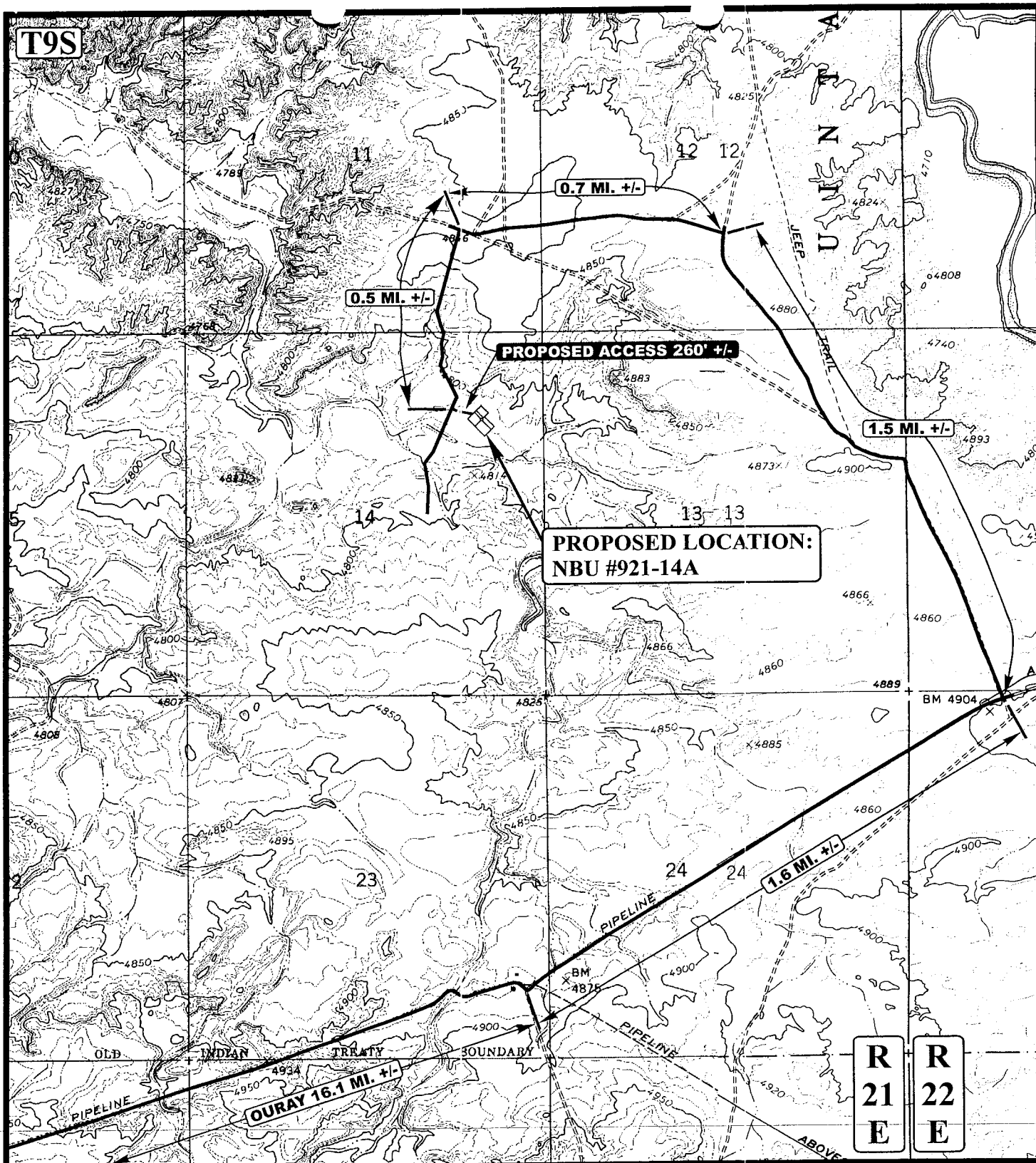
Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

01 23 06  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: L.K. REVISED: 00-00-00





# LEGEND:

————— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD

**U**  
**E**  
**L**  
**S**

Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



Kerr-McGee Oil & Gas Onshore LP

NBU #921-14A  
 SECTION 14, T9S, R21E, S.L.B.&M.  
 1239' FNL 883' FEL

TOPOGRAPHIC  
 MAP

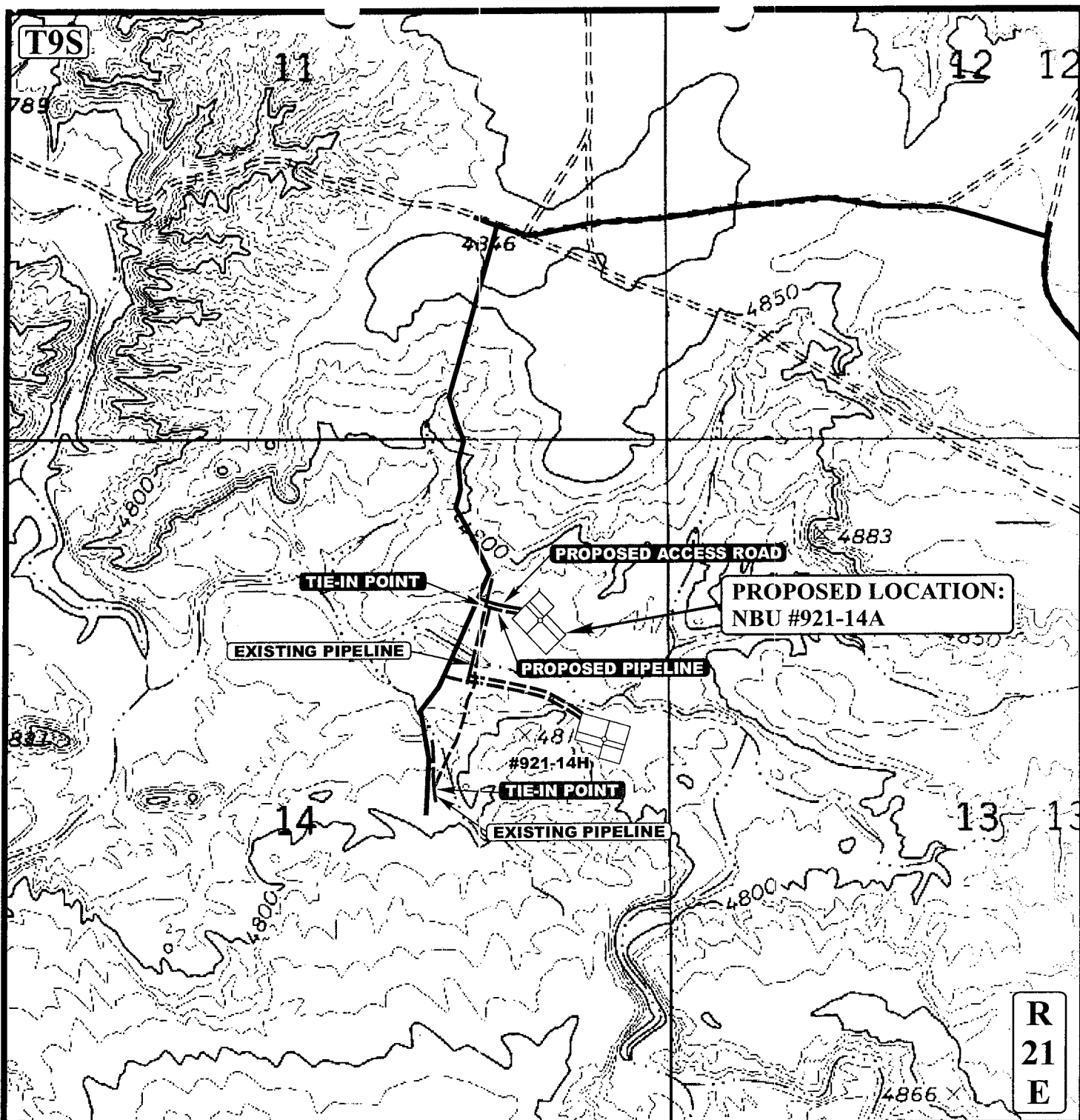
01 23 06  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00

**B**  
 TOPO







APPROXIMATE TOTAL PIPELINE DISTANCE = 187' +/-

APPROXIMATE TOTAL HIGH PRESSURE PIPELINE DISTANCE = 1,365' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



**Kerr-McGee Oil & Gas Onshore LP**

**NBU #921-14A**

**SECTION 14, T9S, R21E, S.L.B.&M.**

**1239' FNL 883' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

<b>01</b>	<b>23</b>	<b>06</b>
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00

**D  
TOPO**



# Kerr-McGee Oil & Gas Onshore LP

NBU #921-14A

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 14, T9S, R21E, S.L.B.&M.

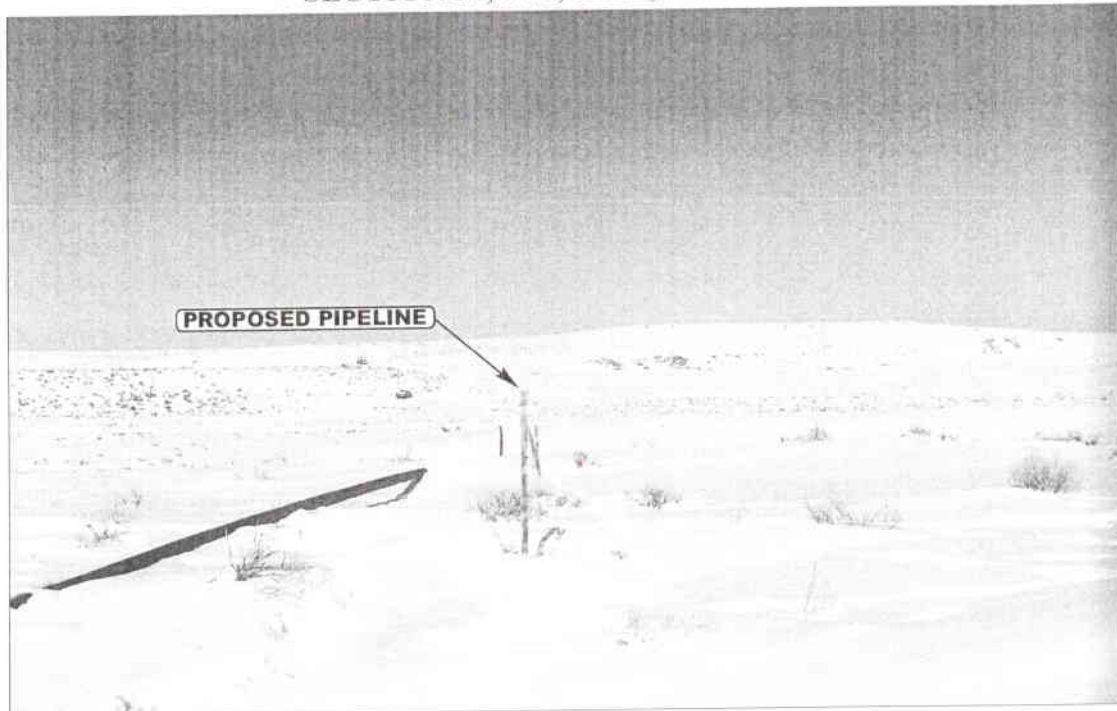


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHERLY

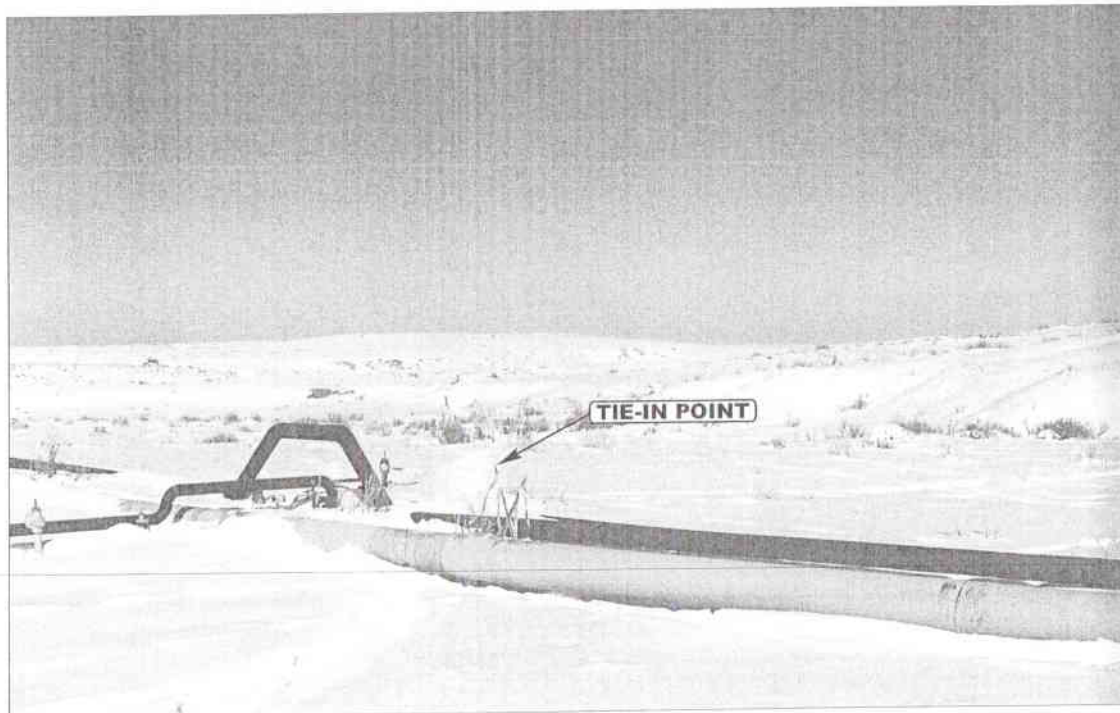


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

01 23 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A. | DRAWN BY: L.K. | REVISED: 00-00-00

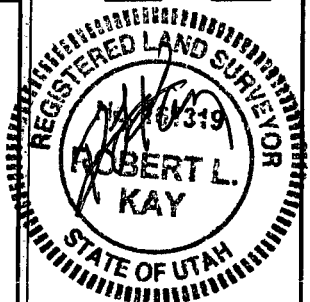
# Kerr-McGee Oil & Gas Onshore LP

## LOCATION LAYOUT FOR

NBU #921-14A  
SECTION 14, T9S, R21E, S.L.B.&M.  
1239' FNL 883' FEL

F-1.8'  
El. 73.5'

Sta. 3+50



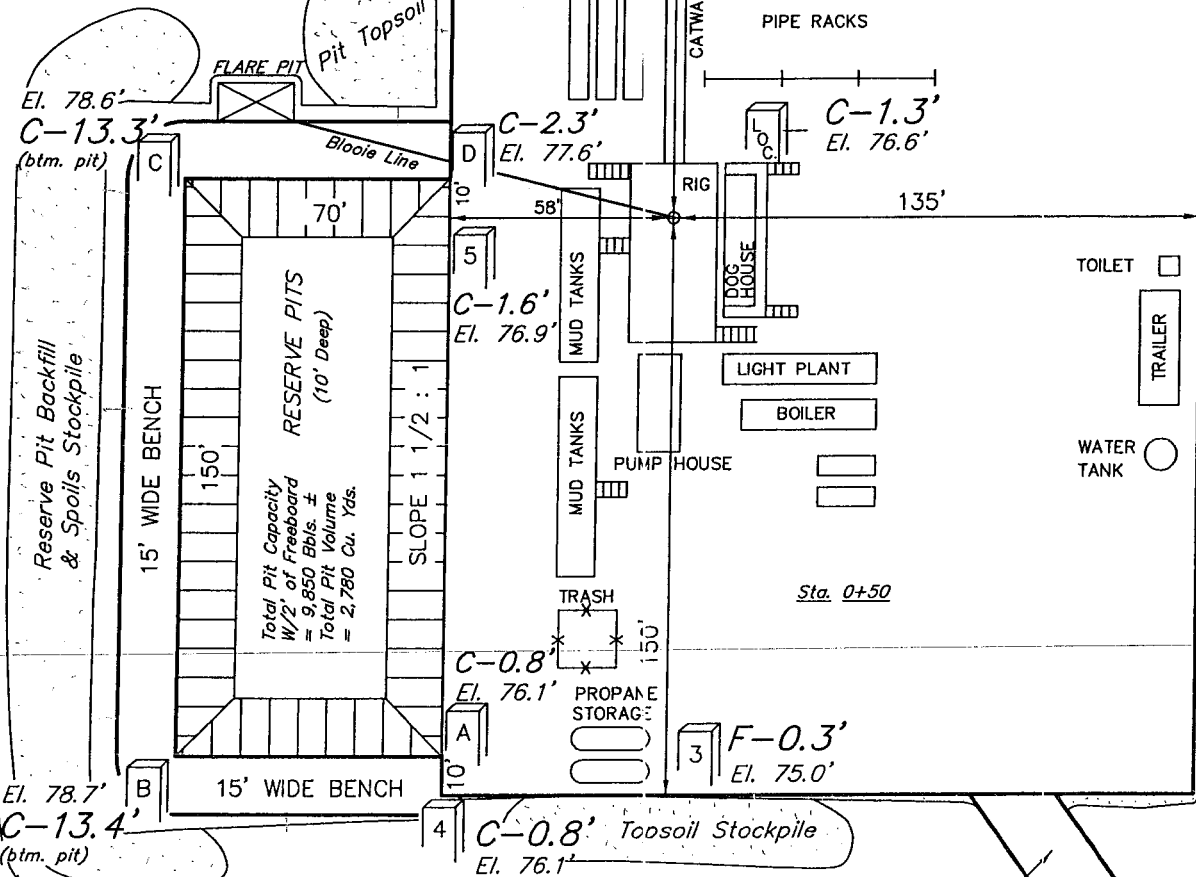
Approx.  
Toe of  
Fill Slope

SCALE: 1" = 50'  
DATE: 01-25-07  
Drawn By: C.H.

Approx.  
Top of  
Cut Slope

### NOTE:

Flare Pit is to be located  
a min. of 100' from the  
Well Head.



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 4776.6'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4775.3'

CONSTRUCT  
DIVERSION  
DITCH

Proposed Access  
Road

FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

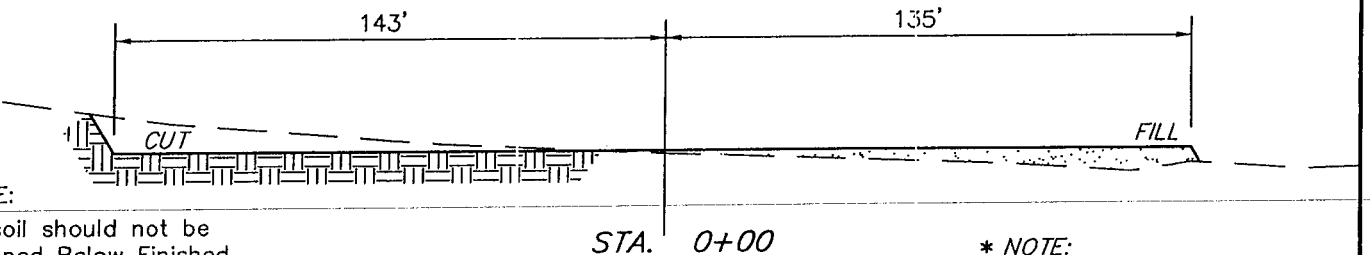
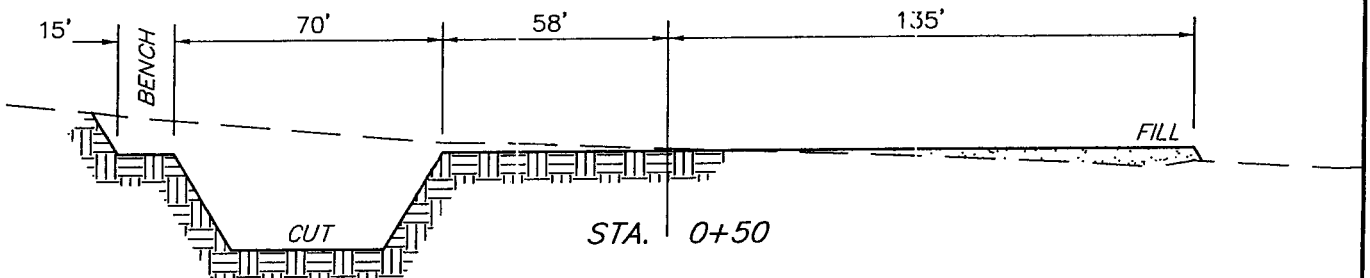
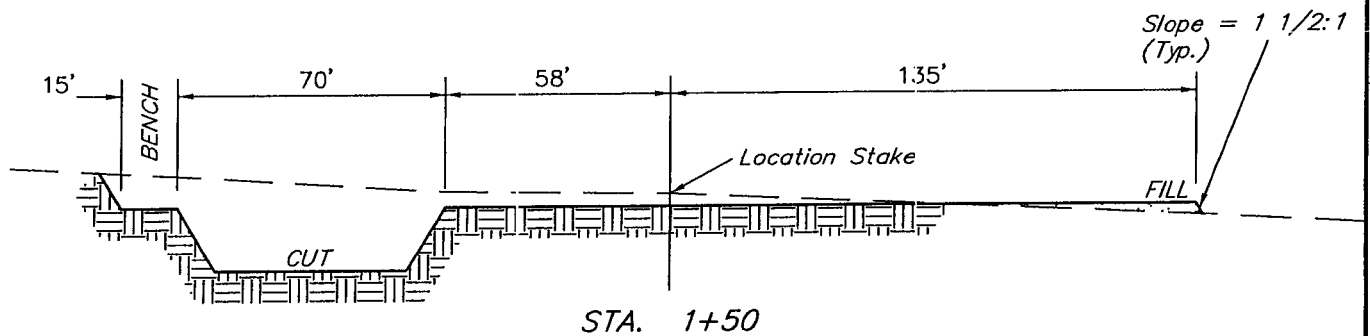
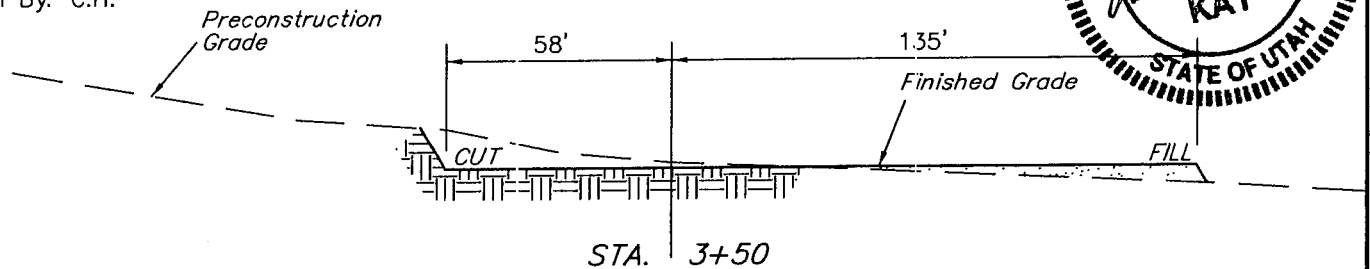
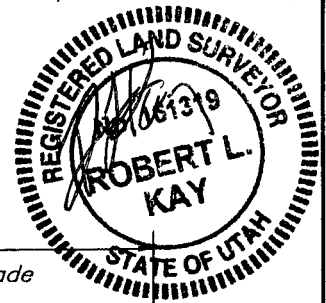
## TYPICAL CROSS SECTIONS FOR

NBU #921-14A

SECTION 14, T9S, R21E, S.L.B.&M.

1239' FNL 883' FEL

1" = 20'  
X-Section  
Scale  
1" = 50'  
DATE: 01-25-07  
Drawn By: C.H.



### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### \* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT  
(12") Topsoil Stripping = 3,290 Cu. Yds.  
Remaining Location = 4,140 Cu. Yds.  
TOTAL CUT = 7,430 CU.YDS.  
FILL = 2,750 CU.YDS.

EXCESS MATERIAL = 4,680 Cu. Yds.  
Topsoil & Pit Backfill = 4,680 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/23/2007

API NO. ASSIGNED: 43-047-39249

WELL NAME: NBU 921-14A

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

**PROPOSED LOCATION:**

NENE 14 090S 210E

SURFACE: 1239 FNL 0883 FEL

BOTTOM: 1239 FNL 0883 FEL

COUNTY: Uintah

LATITUDE: 40.03992 LONGITUDE: -109.5120

UTM SURF EASTINGS: 626945 NORTHINGS: 4433039

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01193

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. RLB0005239 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. 43-8496 )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

R649-2-3.

Unit: NATURAL BUTTES

R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 17314

Eff Date: 12-2-99

Siting: 460' & 920' & uncomm. Tracts

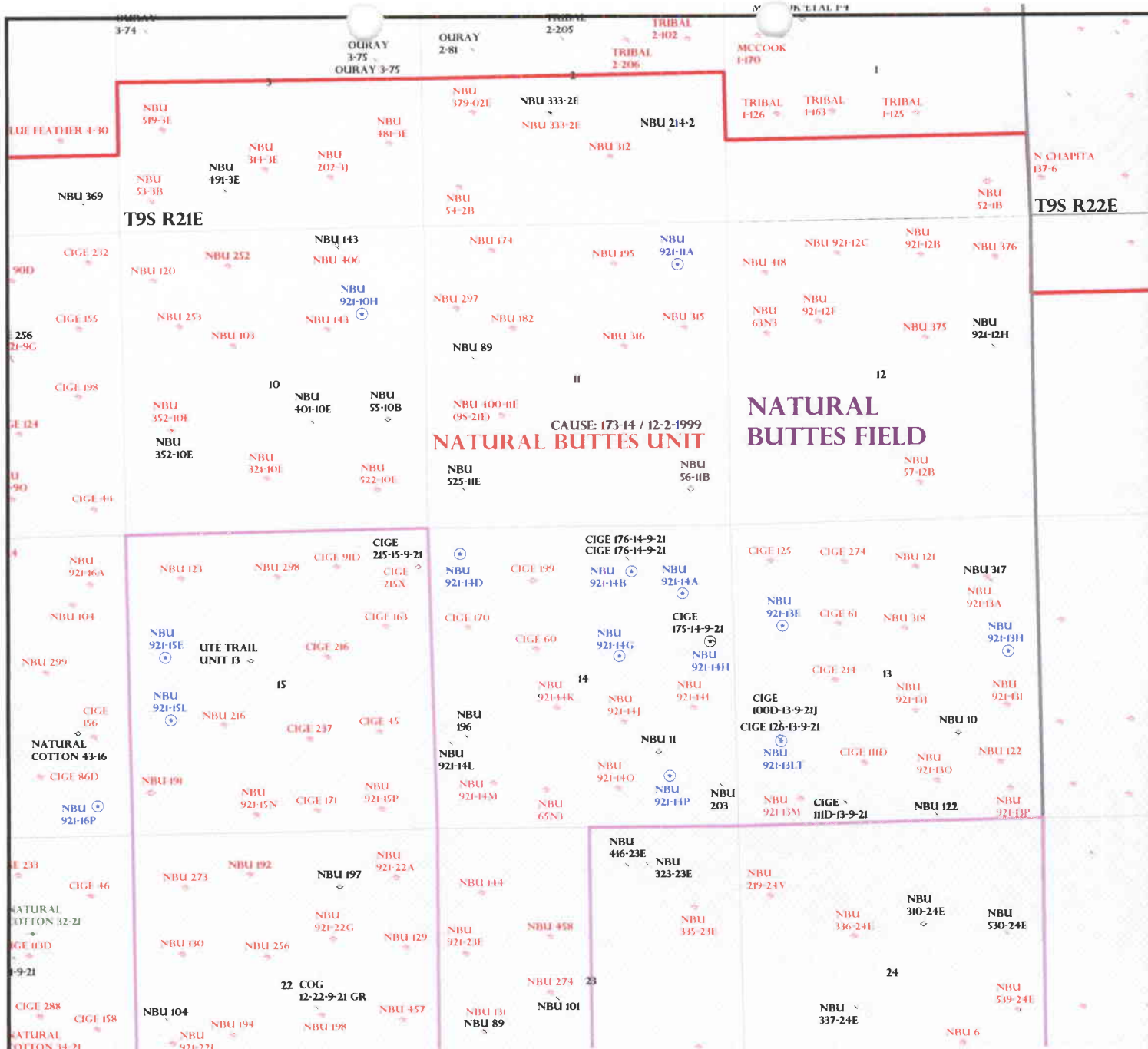
R649-3-11. Directional Drill

COMMENTS:

*See Separate Ltr*

STIPULATIONS:

*1- Federal Approval  
2- Oil Shale*



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 10,13,14,15 T.9S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NE PP OIL
- NE SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHEML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA MASON  
DATE: 25-APRIL-2007

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

April 25, 2007

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-39237	NBU 921-8B	Sec 08 T09S R21E 0528 FNL 2080 FEL
43-047-39238	NBU 921-8H	Sec 08 T09S R21E 1870 FNL 0837 FEL
43-047-39239	NBU 921-8P	Sec 08 T09S R21E 0533 FSL 0578 FEL
43-047-39240	NBU 921-9K	Sec 09 T09S R21E 2633 FSL 2383 FWL
43-047-39241	NBU 921-9C	Sec 09 T09S R21E 0896 FNL 1569 FWL
43-047-39254	NBU 921-16P	Sec 16 T09S R21E 0537 FSL 0610 FEL
43-047-39255	NBU 921-18D	Sec 18 T09S R21E 0550 FNL 0827 FWL
43-047-39256	NBU 921-21L	Sec 21 T09S R21E 1785 FSL 0797 FWL
43-047-39242	NBU 921-10H	Sec 10 T09S R21E 1472 FNL 1104 FEL
43-047-39243	NBU 921-13H	Sec 13 T09S R21E 2323 FNL 0531 FEL
43-047-39244	NBU 921-13E	Sec 13 T09S R21E 1818 FNL 0851 FWL
43-047-39245	NBU 921-13LT	Sec 13 T09S R21E 1465 FSL 0792 FWL
43-047-39246	NBU 921-14B	Sec 14 T09S R21E 0822 FNL 1764 FEL
43-047-39247	NBU 921-14D	Sec 14 T09S R21E 0465 FNL 0542 FWL
43-047-39248	NBU 921-14P	Sec 14 T09S R21E 0878 FSL 1163 FEL
43-047-39249	NBU 921-14A	Sec 14 T09S R21E 1239 FNL 0883 FEL
43-047-39250	NBU 921-14G	Sec 14 T09S R21E 2319 FNL 1996 FEL
43-047-39251	NBU 921-14H	Sec 14 T09S R21E 2088 FNL 0422 FEL
43-047-39252	NBU 921-15E	Sec 15 T09S R21E 2184 FNL 0636 FWL
43-047-39253	NBU 921-15L	Sec 15 T09S R21E 2015 FSL 0713 FWL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:4-25-07



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 26, 2007

Kerr McGee Oil and Gas Onshore LP  
1368 S 1200 E  
Vernal, UT 84078

Re: Natural Buttes Unit 921-14A Well, 1239' FNL, 883' FEL, NE NE, Sec. 14,  
T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39249.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office



Operator: Kerr McGee Oil and Gas Onshore LP  
Well Name & Number Natural Buttes Unit 921-14A  
API Number: 43-047-39249  
Lease: UTU-01193

Location: NE NE Sec. 14 T. 9 South R. 21 East

#### Conditions of Approval

##### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

##### 2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office  
(801) 733-0983 home

##### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

RECEIVED  
VERNAL FIELD OFFICE

2007 APR 19 AM 10:46

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

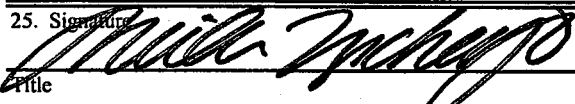
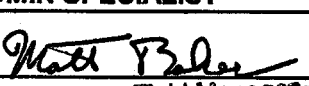
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-01193</b>
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>
2. Name of Operator <b>KERR MCGEE OIL AND GAS ONSHORE LP</b>		7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>
3A. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>	3b. Phone No. (include area code) <b>(435) 781-7024</b>	8. Lease Name and Well No. <b>NBU 921-14A</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>NE/NE 1239'FNL, 883'FEL</b> At proposed prod. Zone		9. API Well No. <b>43 047 39249</b>
14. Distance in miles and direction from nearest town or post office* <b>20.4 +/- MILES FROM OURAY, UTAH</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>883'</b>	16. No. of Acres in lease <b>1920.00</b>	11. Sec., T., R., M., or Blk. and Survey or Area <b>SEC. 14, T9S, R21E</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>	19. Proposed Depth <b>9970'</b>	12. County or Parish <b>UINTAH</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>4777'GL</b>		13. State <b>UTAH</b>
22. Approximate date work will start* <b>UPON APPROVAL</b>		20. BLM/BIA Bond No. on file <b>RLB0005239</b>
23. Estimated duration <b>TO BE DETERMINED</b>		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.   | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>4/19/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>MATT BAKER</b>	Date
Title <b>ACTING Assistant Field Manager</b>	Office <b>VERNAL FIELD OFFICE</b>	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

FEB 26 2008

DIV. OF OIL, GAS & MINING

NO NOS

076XJH012A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Kerr-McGee Oil & Gas Onshore, LP    **Location:** NENE, Sec. 14, T9S, R21E  
**Well No:** NBU 921-14A    **Lease No:** UTU-01193  
**API No:** 43-047-39249    **Agreement:** Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

**NOTIFICATION REQUIREMENTS**

Construction Activity	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Specific Surface COAs**

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APDs and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:**

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsomite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location ¼¼, Sec., Twn, Rng, and P.M..
  - Date well was placed in a producing status date of first production for which royalty will be paid.
  - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include



deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: NBU 921-14A

Api No: 43-047-39249 Lease Type: FEDERAL

Section 14 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

### **SPUDDED:**

Date 03/21/08

Time 12:00 NOON

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 03/21/08 Signed CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/NE SEC. 14., T9S, R21E 1239'FNL, 883'FEL**

5. Lease Serial No.

**UTU-01193**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-14A**

9. API Well No.

**4304739249**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SET SURFACE</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>CSG</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PROPETRO AIR RIG ON 03/31/2008. DRILLED 12 1/4" SURFACE HOLE TO 2760'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/250 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH OUT JOB 25 +/- BBLs LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/50 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL. WORT

**RECEIVED**  
**APR 15 2008**

14. I hereby certify that the foregoing is true and correct

**DIV. OF OIL, GAS & MINING**

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**April 7, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/NE SEC. 14., T9S, R21E 1239'FNL, 883'FEL**

5. Lease Serial No.

**UTU-01193**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-14A**

9. API Well No.

**4304739249**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other FINAL DRILLING OPERATIONS
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleting horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleting in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

**FINISHED DRILLING FROM 2760' TO 9870' ON 04/25/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/480 SX HALCO LIGHT @11.2 PPG 3.00 YIELD. TAILED CMT W/1305 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. WASH LINES DROP PLUG DISPLACE W/152 BBLS WATER W/CLAY STAY AND MAGNITUDE TO BUMP PLUG W/3400 PSI RELEASE PSI FLOATS HELD. LOST ALL RETURNS AFTER DROPPING THE WIPER PLUG. WASH STACK LAND CSG W/95K TEST HEAD TO 5000 PSI. SLIP AND CUT DRILL LINE. CLEAN MUD PITS. RELEASED ENSIGN RIG 12 ON 04/27/2008 AT 0800 HRS.**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Signature

Title

**SENIOR LAND ADMIN SPECIALIST**

Date

**April 28, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**  
**MAY 08 2008**  
**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE – Other instructions on reverse side***

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/NE SEC. 14., T9S, R21E 1239'FNL, 883'FEL**

5. Lease Serial No.

**UTU-01193**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-14A**

9. API Well No.

**4304739249**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>PRODUCTION START-UP</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 06/16/2008 AT 9:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

**RECEIVED**

**JUN 18 2008**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**June 17, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Wins No.: 94953

NBU 921-14A

## Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 03/21/2008	GL 4,775	KB 4789	ROUTE
API 4304739249	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 40.03992 / -109.51274		Q-Q/Sect/Town/Range: NENE / 14 / 9S / 21E		Footages: 1,239.00' FNL 883.00' FEL	

## Wellbore: NBU 921-14A

MTD		TVD		PBMD		PBTVD	
EVENT INFORMATION:		EVENT ACTIVITY: DRILLING		START DATE: 3/11/2008			
		OBJECTIVE: DEVELOPMENT		END DATE: 4/27/2008			
		OBJECTIVE 2: VERTICAL WELL		DATE WELL STARTED PROD.: :			
		REASON: MV		Event End Status: COMPLETE			

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
PETE MARTIN DRILLING / UI	03/21/2008	03/21/2008	03/21/2008	03/21/2008	03/21/2008	03/21/2008	03/21/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation
3/21/2008							
SUPERVISOR: LEW WELDON							
	12:00 - 15:00	3.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 1200 HR 3/21/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 12 BLM AND STATE NOTFIED OF SPUD
3/31/2008							
SUPERVISOR: LEW WELDON							
	11:30 - 0:00	12.50	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1130 HR 3/31/08 DA AT REPORT TIME 770'
4/1/2008							
SUPERVISOR: LEW WELDON							
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1290'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1800'
4/2/2008							
SUPERVISOR: LEW WELDON							
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2250'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG T/D @ 2760' CONDITION HOLE 1 HR
4/3/2008							
SUPERVISOR: LEW WELDON							
	0:00 - 4:00	4.00	DRLSUR	05		P	TRIP DP OUT OF HOLE
	4:00 - 10:00	6.00	DRLSUR	11		P	RUN 2708' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG

4:00 - 10:00	6.00	DRLSUR	11	P	RUN 2708' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
10:00 - 12:00	2.00	DRLSUR	15	P	CEMENT 1ST STAGE WITH 250 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB + - 25 BBL LEAD CMT TO PIT
12:00 - 12:30	0.50	DRLSUR	15	P	1ST TOP JOB 100 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC
12:30 - 13:30	1.00	DRLSUR	15	P	2ND TOP JOB 50 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
13:30 - 13:30	0.00	DRLSUR			NO VISIBLE LEAKS PIT 1/4 FULL RELEASE CMT CREW WORT

4/14/2008

SUPERVISOR: KENNETH GATHINGS

7:30 - 0:00	16.50	RDMO	01	A	P	RIG DOWN EQUIPMENT TO MOVE
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4/15/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 6:00	6.00	RDMO	01	E	P	RIG DOWN EQUIPMENT / WAIT ON DAYLIGHT TO MOVE
6:00 - 16:00	10.00	RDMO	01	A	P	MOVE IN & SET EQUIPMENT
16:00 - 0:00	8.00	RDMO	01	B	P	RIG UP EQUIPMENT / RAISE DERRICK

4/16/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 8:30	8.50	MIRU	01	B	P	RIG UP EQUIPMENT
8:30 - 12:30	4.00	MIRU	13	A	P	NIPPLE UP B.O.P. EQUIPMENT / RIG UP GAS BUSTER / LAY FLARE LINES
12:30 - 18:00	5.50	MIRU	13	C	P	PRESSURE TEST B.O.P.EQUIPMENT AS REQUIRED
18:00 - 18:30	0.50	MIRU	13	B	P	INSTALL WEAR BUSHING
18:30 - 23:00	4.50	MIRU	05	A	P	SAFETY MEETING / M.I.R.U. T-REX EQUIPMENT / PICK UP B.H.A. + DRILL PIPE TO TAG @ 2635'
18:30	0.00					
23:00	4.50		05	A	P	SAFETY MEETING / M.I.R.U. T-REX EQUIPMENT / PICK UP B.H.A. + DRILL PIPE TO TAG @ 2635'
18:30	0.00					
23:00	4.50		05	A	P	SAFETY MEETING / M.I.R.U. T-REX EQUIPMENT / PICK UP B.H.A. + DRILL PIPE TO TAG @ 2635'
18:30	0.00					
23:00 - 23:30	0.50	MIRU	13	B	P	INSTALL ROTATING RUBBER & BREAK CIRCULATION

23:00 - 23:30	0.50	MIRU	13	B	P	INSTALL ROTATING RUBBER & BREAK CIRCULATION
23:30 - 0:00	0.50	MIRU	02	F	P	DRILL CEMENT + FLOAT EQUIPMENT

4/17/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 1:00	1.00	DRLPRO	02	F	P	DRILL CEMENT + FLOAT EQUIPMENT (TAG CEMENT @ 2635')
1:00 - 2:00	1.00	DRLPRO	02	B	P	DRILL F/ 2760' - T/ 2858' (98' @ 98 fph) 34 vis / 8.4 ppg
2:00 - 2:30	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 2783' - 1.09 deg
2:30 - 7:30	5.00	DRLPRO	02	B	P	DRILL F/ 2858' - T/ 3330' (472' @ 94.4 fph) 37 vis / 8.5 ppg
7:30 - 8:00	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 3250' - 2.39 deg
8:00 - 15:00	7.00	DRLPRO	02	B	P	DRILL F/ 3330' - T/ 3834' (504' @ 72.0 fph) 31 vis / 8.9 ppg
15:00 - 15:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT / FUNCTION PIPE RAMS
15:30 - 16:00	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 3760' - 2.46 deg
16:00 - 0:00	8.00	DRLPRO	02	B	P	DRILL F/ 3834' - T/ 4271' (437' @ 54.6 fph) 37 vis / 9.2 ppg

4/18/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 10:00	10.00	DRLPRO	02	B	P	DRILL F/ 4271' - T/ 4837' (566' @ 56.6 fph) 42 vis / 9.3 ppg
10:00 - 10:30	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 4760' - 2.96 deg
10:30 - 15:30	5.00	DRLPRO	02	B	P	DRILL F/ 4837' - T/ 4994' (157' @ 31.4 fph) 45 vis / 9.4 ppg
15:30 - 16:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT / FUNCTION TEST PIPE RAMS
16:00 - 0:00	8.00	DRLPRO	02	B	P	DRILL F/ 4994' - T/ 5231' (237' @ 29.6 fph) 43 vis / 9.5 ppg

4/19/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 8:00	8.00	DRLPRO	02	B	P	DRILL F/ 5231' - T/ 5497' (266' @ 33.25 fph) 46 vis / 9.6 ppg
8:00 - 8:30	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 5415 - 2.65 deg



8:00 - 8:30	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 5415 - 2.65 deg
8:30 - 15:00	6.50	DRLPRO	02	B		DRILL F/ 5497' - T/ 5685' (188" @ 28.9 fph) 46 vis / 9.6 ppg (B.O.P. DRILL)
15:00 - 15:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT / FUNCTION PIPE RAMS
15:30 - 0:00	8.50	DRLPRO	02	B	P	DRILL F/ 5685' - T/ 5974' (290' @ 34.11 fph) 44 vis / 9.8 ppg

4/20/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 9:00	9.00	DRLPRO	02	B	P	DRILL F/ 5975' - T/ 6214' (239' @ 26.5 FPH) 46 VIS / 10.0 PPG
9:00 - 9:30	0.50	DRLPRO	04	C	P	CIRCULATE & CONDITION HOLE FOR TRIP / PUMP WEIGHT PILL / DROP SURVEY
9:30 - 13:30	4.00	DRLPRO	05	A	P	P.O.O.H. FOR BIT #2 / CHECK MOTOR / CHANGE OUT BITS / RETRIEVE SURVEY TOOL
13:30 - 14:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
14:00 - 17:00	3.00	DRLPRO	05	A	P	T.I.H. BREAKING CIRCULATION @ SELECTED INTERVALS
17:00 - 17:30	0.50	DRLPRO	03	D	P	PRECAUTIONARY REAM 60' TO BOTTOM W/ 3' OF FILL
17:30 - 0:00	6.50	DRLPRO	02	B	P	DRILL F/ 6214' - T/ 6555' (341' @ 52.4 fph) 44 vis / 10.1 ppg

4/21/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 14:00	14.00	DRLPRO	02	B	P	DRILL F/ 6555' - T/ 7192' (637' @ 45.5 fph) 44 vis / 10.2 ppg
14:00 - 14:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT / FUNCTION PIPE RAMS
14:30 - 0:00	9.50	DRLPRO	02	B	P	DRILL F/ 7192' - T/ 7555' (363' @ 38.2 fph) 43 vis / 10.3 ppg

4/22/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 12:00	12.00	DRLPRO	02	B	P	DRILL F/ 7555' - T/ 8070' (515' @ 42.9 fph) 46 vis / 10.5 ppg
12:00 - 12:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
12:30 - 0:00	11.50	DRLPRO	02	B	P	DRILL F/ 8070' - T/ 8460' (390' @ 33.9 fph) 44 vis / 10.6 ppg

4/23/2008

SUPERVISOR: BRUCE TAYLOR

0:00 - 1:00	1.00	DRLPRO	02	B	P	DRILL 8460'-8511' (51') 51'/HR. 18/20K WOB, 110 BIT RPM, 10.8/45
1:00 - 1:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS.
1:30 - 13:00	11.50	DRLPRO	02	B	P	DRILL 8511'-8921' (410') 35.6'/HR. 18/20K WOB, 110 BIT RPM, 11.0/45
13:00 - 13:30	0.50	DRLPRO	06	A	P	SERVICE RIG,
13:30 - 0:00	10.50	DRLPRO	02	B	P	DRILL 8921'-9218' (297') 28.2'/HR. 18/22K WOB, 110 BIT RPM. 11.1/45

4/24/2008

SUPERVISOR: BRUCE TAYLOR

0:00 - 2:30	2.50	DRLPRO	02	B	P	DRILL 9218'-9267' (49') 19.6'/HR. 20/22K WOB, 110 BIT RPM, 11.2/45
2:30 - 3:00	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS.
3:00 - 3:30	0.50	DRLPRO	02	B	P	DRILL 9267'-9270' (3') 6'/HR. 20/22K WOB, 11.2/45
3:30 - 4:30	1.00	DRLPRO	04	C	P	CIRCULATE BOTTOMS UP. MIX AND PUMP SLUG
4:30 - 10:00	5.50	DRLPRO	05	A	P	POOH FOR NEW BIT DUE TO SLOW P-RATE.
10:00 - 12:30	2.50	DRLPRO	05	A	P	TIH TO SHOE.
12:30 - 13:30	1.00	DRLPRO	06	D	P	SLIP AND CUT DRILL LINE 95'
13:30 - 16:30	3.00	DRLPRO	05	A	P	TRIP IN HOLE. WORK THROUGH TIGHT SPOT AT 8230', FIH.
16:30 - 17:00	0.50	DRLPRO	03	D	P	WASH AND REAM 40' TO BOTTOM. PECAUTIONARY ONLY.
17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILL 9270'-9581' (311') 44.4'/HR. 16K WOB, 100 BIT RPM, 11.4/45

4/25/2008

SUPERVISOR: BRUCE TAYLOR

0:00 - 0:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS.
0:30 - 7:00	6.50	DRLPRO	02	B	P	DRILL 9581'-9870' (289') 44.4'/HR. 16K WOB, 100 BIT RPM, 11.5/42

0:30 - 7:00	6.50	DRLPRO	02	B	P	DRILL 9581'-9870' (289") 44.4'/HR. 16K WOB, 100 BIT RPM, 11.5/42
7:00 - 9:00	2.00	DRLPRO	04	C	P	CIRCULATE BOTTOMS UP, LOST 60 BBLS, MIX LCM TO 5% WIT CEDAR FIBER AND NATUR SEAL, REGAINED FULL RETURNS.
9:00 - 12:00	3.00	DRLPRO	05	E	P	SHORT TRIP 20 STANDS. NO DRAG.
12:00 - 17:30	5.50	DRLPRO	04	C	P	CIRCULATE BOTTOMS UP, MAX GAS 4800 UNITS. RAISE MW TO 10.6 PPG SLOWLY TO BRING GAS DOWN. LOST TOTAL OF 40 BBLS. HELD SAFETY MEETING WITH WEATHERFORD AND RU SAME. MIX AND PUMP SLUG.
17:30 - 0:00	6.50	DRLPRO	05	A	P	POOH LDDS, 1200' AT REPORT TIME.

4/26/2008

SUPERVISOR: BRUCE TAYLOR

0:00 - 3:00	3.00	DRLPRO	05	B	P	LDDS, BREAK KELLY, LD BHA.
3:00 - 3:30	0.50	DRLPRO	05	B	P	PULL WEAR BUSHING.
3:30 - 10:30	7.00	DRLPRO	08	A	P	HELD SAFETY MEETING, RU AND RIH WITH TRIPLE COMBO. LOG FROM 9874' TO SHOE, RUN GR TO SURFACE.
10:30 - 11:30	1.00	DRLPRO	11	A	P	HELD SAFETY MEETING, RU WEATHERFORD CASING CREW.
11:30 - 19:00	7.50	DRLPRO	11	B	P	RUN CSG. AS FOLLOWS: FLOAT SHOE, 1 JT. CSG. FLOAT COLLAR, 114 JTS. CSG. MARKER JT. SET AT 5040', 119 JTS. 4 1/2" 11.6 PPF I-80 CSG. OAL 9868.05, SET AT 9568'. CENTRALIZED WITH 15 BOW SPRINGS, 1 ON FIRST 3 JTS. THEN EVERY 3RD JT.
19:00 - 22:00	3.00	DRLPRO	04	E	P	SPACE OUT, INSTALL HANGER AND PLUG RETAINER, CIRCULATE BOTTOMS UP WITH RIG PUMPS.
22:00 - 0:00	2.00	DRLPRO	15	A	P	SWITCH TO HOWCO, TEST LINES TO 4500 CEMENT 4 1/2" AS FOLLOWS: 20 BBLS MUD FLUSH @ 8.3 PPG, 10 BBLS WATER, 20 SKS PL2 SCAVENGER MIXED @ 9.5 PPG, LEAD W/ 480 SKS HALCO LIGHT MIXED @ 11.2 PPG, YIELD 3.0, TAIL W/ 1305 SKS 50:50 POZ MIXED @ 14.3PPG, YIELD 1.27, WASH LINES, DROP PLUG & DISPLACE W/152 BBLS WATER W/ CLAYSTAY & MAGNACIDE TO BUMP PLUG W/ 3400 PSI. RELEASE PSI, FLOATS HELD. LOST ALL RETURNS AFTER DROPPING THE WIPER PLUG

4/27/2008

SUPERVISOR: BRUCE TAYLOR

0:00 - 1:00	1.00	DRLPRO	15	A	P	RDMO HALLIBURTON.
1:00 - 3:00	2.00	DRLPRO	11	C	P	WASH STACK, LAND CASING WITH 95K, TEST HEAD TO 5000 PSI.

Wins No.: 94953		NBU 921-14A				API No.: 4304739249	
1:00 - 3:00	2.00	DRLPRO	11	C	P	WASH STACK, LAND CASING WITH 95K, TEST HEAD TO 5000 PSI.	
3:00 - 4:00	1.00	DRLPRO	06	D	P	SLIP AND CUT DRILL LINE.	
4:00 - 8:00	4.00	DRLPRO	11	A	P	CLEAN MUD PITS, RELEASE RIG @ 08:00 on 4-27-08	

<b>Wins No.: 94953</b>		<b>NBU 921-14A</b>		<b>API No.: 4304739249</b>			
<b>EVENT INFORMATION:</b>		EVENT ACTIVITY: COMPLETION		START DATE: 6/9/2008			
		OBJECTIVE: DEVELOPMENT		END DATE: 6/13/2008			
		OBJECTIVE 2: ORIGINAL		DATE WELL STARTED PROD.:			
		REASON: MV		Event End Status: COMPLETE			
<b>RIG OPERATIONS:</b>		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start		
		Finish Drilling	Rig Release	Rig Off Location			
MILES 2 / 2		06/09/2008			06/13/2008		
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
6/9/2008							
SUPERVISOR: DOUG CHIVERS							
	7:00 - 7:30	0.50	COMP	48		P	HSM. MOVING RIG & RU
	7:30 - 17:00	9.50	COMP	31	H	P	ROAD RIG FROM NBU 920-27B TO NBU 921 - 14A. SPOT IN RIG & EQUIPMENT & RU. ND WELL HEAD NU BOPS. PU DRIFT & TALLY 310 JTS OF 2 3/8" L-80 4.7# TBG. RIH TO 9,797'. RU RIG PUMP CIRC WELL CLEAN W/ 2% KCL WATER. LD 4 JTS OF TBG EOT @ 9,692'. SWI SDFN
6/10/2008							
SUPERVISOR: DOUG CHIVERS							
	7:00 - 7:30	0.50	COMP	48		P	HSM. TRIPPING PIPE
	7:30 - 15:00	7.50	COMP	37	C	P	LD 12 JTS & STAND BACK 147 STANDS OF 2 3/8" L-80 TBG. ND BOPS NU FRAC VALVES. MIRU B&C QUICK TEST. PRESSURE TEST CASING & BOTH FRAC VALVES TO 7,500 PSI. GOOD TEST. RDMO B&C QUICK TEST. MIRU CUTTERS TO PERFORATE ZONE 1. PU & RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. PERFORATE 9,748' - 60' 3 SPF, 9,713' - 16' 3 SPF, 45 HOLES. POOH W/ WIRE LINE. PREPED TO FRAC. MIRU WEATHERFORD FOR AM FRAC. SWI SDFN
6/11/2008							
SUPERVISOR: DOUG CHIVERS							
	6:30 - 7:00	0.50	COMP	48		P	HSM. FRACING & PERFORATING

Wins No.:	94953	NBU 921-14A	API No.:	4304739249			
7:00	- 20:00	13.00	COMP	36	B	P	PRIME UP PUMPS & LINES. PRESSURE TEST LINES TO 8,538 PSI.
STG 1) WHP 1,560 PSI, BRK 4,125 PSI @ 2.9 BPM, ISIP 2,963 PSI, FG .73 PUMP 100 BBLS @ 50.3 BPM 5,520 PSI = 65% OF HOLES OPEN. MP 6,304 PSI, MR 53 BPM, AP 4,947 PSI, AR 50.4 BPM, ISIP 2,976 PSI, FG .75, NPI 13 PSI. PMPD 3,391 BBLS OF SLK WATER & 116,951 LBS OF 30/50 SAND & 5,915 LBS OF 20/40 RESIN SAND. TOTAL PROP PMPD 122,866 LBS.							
STG 2) PU 4 1/5" CBP & 3 3/8" EXP GNS, 23 GRM, 90 DEG PHASING. SET 8K BAKER CBP @ 9,611' & PERF 9,577' - 81' 4 SPF, 9,526' - 28' 4 SPF, 9,514' - 18' 4 SPF, 40 HOLES. WHP 200 PSI, COULD NOT GET WELL TO BREAK DOWN. AFTER 5 ATEMPS WE DECIDED TO DUMP BAIL ACROSS PERFS. PU DUMP BAILER W/ 7 GALLONS OF ACID RIH TAG SAND @ 8,625' COULD GO DOWN BUT WE WERE LOOSING WEIGHT. PU ON DUMP BAILER & WE WERE STUCK. WORKED WIRE LINE FOR 30 MINUTES GOT FREE. POOH W/ WIRE LINE. AFTER CHECKING EVERY THING IT WAS DECIDED THAT THE FLUSH WAS WRONG & WE HAD UNDER FLUSHED BY 40 BBLS. RD WEATHERFORD FRAC HEAD. ND FRAC VALVES NU BOPS. PU 3 7/8" BIT & POBS RIH W/ TBG TAG SAND @ 9,598'. RU POWER SWIVEL BRK CIRC W/ 2% KCL C/O 20' OF SAND TO 9,618'. CIRC WELL CLEAN W/ 150 BBLS OF 2% KCL. POOH LD 2 JTS STAND BACK TBG 151 STANDS. ND BOPS NU FRAC VALVES. SWI SDFN							
6/12/2008							
SUPERVISOR: DOUG CHIVERS							
6:30	- 7:00	0.50	COMP	48		P	HSM. FRACING & PERFORATING

7:00	- 18:00	11.00	COMP	36	B	P	STG 2 ) WHP 1,850 PSI, BKR 3,451 PSI @ 2.9 BPM, ISIP 2,903 PSI, FG .75 PMP 100 BBLS @ 50 BPM @ 5,900 PSI = 64% OF HOLES OPEN. MP 7,180 PSI, MR 50.3 BPM, AP 6,260 PSI, AR 46.8 BPM, ISIP 3,535 PSI, FG .81 NPI 632 PSI. PUMPD 2,564 BBLS OF SLK WATER & 65,514 LBS OF 30/50 SAND & 2,000 LBS OF RESIN SAND. TOTAL PROP PMPD 67,514 LBS. AFTER PUMPING 33,500 LBS OF SAND 1.25 PPG PRESSURE WAS INCREASING STARTED A SWEEP FOR 200 BBLS. PRESSURE DECREASE BY 400 PSI. STARTED SAND BACK W/ SAND @ .25 PPG & RAMPED BACKED TO 2 PPG. CALLED FLUSH EARLY PLACED 80% OF PROP.
							STG 3 ) PU 4 1/2" CBP & 3 3/8" EXP GRN, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 9,477' & PERF 9,441' - 47' 4 SPF, 9,401' - 04' 3 SPF, 9,385' - 87' 3 SPF, 9,332' - 34' 3 SPF, 45 HOLES. WHP 2,800 PSI, BKR 3,028 PSI @ 3.4 BPM, ISIP 2,798 PSI, FG .74 PMP 100 BBLS @ 50.3 BPM @ 5,250 PSI = 70% OF HOLES OPEN. MP 7,284 PSI, MR 50.6 BPM, AP 5,652 PSI, AR 43.7 BPM, ISIP 2,876 PSI, FG .75 NPI 78 PSI. PUMPD 4,530 BBLS OF SLK WATER & 157,964 LBS OF 30/50 SAND & 6,915 LBS OF RESIN SAND. TOTAL PROP PMPD 164,879 LBS. AFTER PUMPING 92,186 LBS OF SAND WE PUMPED A 211 BBL SWEEP. IT DID NOT HELP. SLOWED RATE FROM 50 BPM TO 30 BPM & STARTED SAND AGAIN @ 1 PPG & RAMPED TO 2 PPG. PUMPED ANOTHER 72,693 LBS PUMPED STAGE TO COMPLETION.
							STG 4 ) PU 4 1/2" CBP & 3 3/8" EXP GRN, 23 GRM, .36 HOLES, 120 DEG PHASING. SET 8K BAKER CBP @ 9,276' & PERF 9,237' - 46' 3 SPF, 9,177' - 80' 3 SPF, 9,133' - 35' 3 SPF, 42 HOLES. WHP 2,560 PSI, BKR 2,916 PSI @ 3.0 BPM, ISIP 2,645 PSI, FG .73 PMP 100 BBLS @ 54.4 BPM @ 5,500 PSI = 74% OF HOLES OPEN. MP 7,492 PSI, MR 54.4 BPM, AP 5,756 PSI, AR 53.1 BPM, ISIP 2,943 PSI, FG .76 NPI 298 PSI. PUMPD 4,530 BBLS OF SLK WATER & 310,640 LBS OF 30/50 SAND & 8,830 LBS OF RESIN SAND. TOTAL PROP PMPD 319,470 LBS.
							KILL PLG ) PU 4 1/2" CBP RIH SET 8K BAKER CBP @ 9,083'. RDMO WEATHERFORD & CUTTERS. ND FRAC VALVES NU BOPS. SWI SDFN.

6/13/2008

SUPERVISOR: DOUG CHIVERS

7:00	- 7:30	0.50	COMP	48		P	HSM. DRILLING CBPS
7:30	- 15:00	7.50	COMP	44	C	P	PU 3 7/8" BIT POBS & XN NIPPLE & RIH W/ 286 JTS OF 2 3/8" L-80 4.7# TBG. RU POWER SWIVEL & BRK CIRC W/ 2% KCL WATER. RIH C/O 10' OF SAND TAG PLG 1 @ 9083' DRL PLG IN 10 MIN. 1,700 PSI INCREASE RIH C/O 35' OF SAND TAG PLG 2 @ 9276' DRL PLG IN 10 MIN. 300 PSI INCREASE RIH C/O 25' OF SAND TAG PLG 3 @ 9477' DRL PLG IN 10 MIN. 300 PSI INCREASE RIH C/O 30' OF SAND TAG PLG 4 @ 9618' DRL IN 10 MIN. 300 PSI INCREASE RIH C/O TO 9,828'. CIRC WELL CLEAN W/ 2% KCL WATER. LD 11 JTS OF 2 3/8" L-80 4.7#. LAND TBG W/ 299 JTS. ND BOPS NU WELL HEAD. DROP BALL TO SHEAR OFF BIT. PUMP OFF BIT @ 3,700 PSI. SWI WAITE 30 MINUTES FOR BIT TO FALL TO BOTTOM. TURN WELL OVER TO FLOW BACK CREW.  322 JTS OUT BOUND 299 JTS LANDED 23 JTS RETURNED

6/14/2008

SUPERVISOR: DOUG CHIVERS

Wins No.: 94953		NBU 921-14A		API No.: 4304739249
7:00	-	33	A	7 AM FLBK REPORT: CP 2175#, TP 1900#, 20/64" CK, 155 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 6355 BBLS LEFT TO RECOVER: 12225
6/15/2008 SUPERVISOR: DOUG CHIVERS				
7:00	-	33	A	7 AM FLBK REPORT: CP 1450#, TP 1650#, 24/64" CK, 140 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 9865 BBLS LEFT TO RECOVER: 8715
6/16/2008 SUPERVISOR: DOUG CHIVERS				
7:00	-	33	A	7 AM FLBK REPORT: CP 1200#, TP 1700#, 26/64" CK, 60 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 11600 BBLS LEFT TO RECOVER: 6980
9:00	-		PROD	WELL TURNED TO SALES @ 0900 HR ON 06/16/2008 - FTP 1850#, CP 1250#, CK 28/64", 1200 MCFD, 1440 BWPD
6/17/2008 SUPERVISOR: DOUG CHIVERS				
7:00	-	33	A	7 AM FLBK REPORT: CP 1400#, TP 1350#, 28/64" CK, 29 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 12464 BBLS LEFT TO RECOVER: 6116



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

5. Lease Serial No.  
UTU-01193

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

7. Unit or CA Agreement Name and No.  
UNIT 891008900A

8. Lease Name and Well No.  
NBU 921-14A

9. API Well No.  
4304739249

2. Name of Operator  
KERR-MCGEE OIL & GAS ONSHORE LP

3. Address 3a. Phone No. (include area code)  
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078 (435) 781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements) \*

At surface NE/NE 1239'FNL, 883'FEL

At top prod. interval reported below

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area SEC. 14, T9S, R21E

12. County or Parish 13. State  
UINTAH UTAH

At total depth

14. Date Spudded 15. Date T.D. Reached 16. Date Completed  
03/21/08 04/25/08 ☐ D & A ☒ Ready to Prod.  
06/16/08

17. Elevations (DF, RKB, RT, GL)\*  
4777'GL

18. Total Depth: MD 9870' 19. Plug Back T.D.: MD 9828' 20. Depth Bridge Plug Set: MD  
TVD TVD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL-COL-GR, SD, DSN, ACTR

22. Was well cored? ☒ No ☐ Yes (Submit copy)  
Was DST run? ☒ No ☐ Yes (Submit copy)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2760'		600 SX			
7 7/8"	4 1/2"	11.6#		9870'		1785 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	9470'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	9133'	9760'	9133'-9760'	0.36	172	OPEN
B) WSMVD						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval Amount and type of Material  
9133'-9760'; PMP 18,580 BBLS SLICK H2O & 674,729# 30/50 SD

RECEIVED

JUL 15 2008

28. Production - Interval A

DIV. OF OIL, GAS & MINING

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/16/08	06/18/08	20	→	0	2,166	672			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 1025#	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
30/64	SI	1550#	→	0	2166	672			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

**SOLD**

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER MAHOGANY WASATCH MESAVERDE	1684' 2378' 5046' 7845'	2378' 5046' 7845'			

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)      2. Geologic Report      3. DST Report      4. Directional Survey  
5. Sundry Notice for plugging and cement verification      5. Core Analysis      7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGOTitle REGULATORY ANALYSTSignature Date 07/09/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE LP

3a. Address  
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)  
435.781.7024

7. If Unit of CA/Agreement, Name and/or No.  
UNIT #891008900A

8. Well Name and No.  
NBU 921-14A

9. API Well No.  
4304739249

10. Field and Pool or Exploratory Area  
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE/NE SEC. 14, T9S, R21E 1239'FNL, 883'FEL

11. Country or Parish, State  
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 2.24.2009

Initials: KS

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 02/02/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Pet-Eng.

Date

2/17/09

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

DOGM

Federal Approval Of This  
Action Is Necessary

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

\* Cause 173-14

RECEIVED

FEB 04 2009

DIV. OF OIL, GAS & MINING

**Name:** NBU 921-14A  
**Location:** NE NE Sec. 14 9S 21E  
**Uintah County, UT**  
**Date:** 01/22/09

**ELEVATIONS:** 4775 GL 4789 KB

**TOTAL DEPTH:** 9868 **PBTD:** 9823  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2727'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 9868'  
Marker Joint 5040-5055'

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**TOPS:**

1684' Green River  
2037' Birdsnest  
2378' Mahogany  
5028' Wasatch  
7808' Mesaverde

Estimated T.O.C. from CBL @2400

**GENERAL:**

- A minimum of 30 tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 04/26/08
- 10 fracturing stages required for coverage.
- Procedure calls for 11 CBP's (8000 psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure 6200 psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~9470
- Originally completed on 06/11/08

**Existing Perforations:**

Zone	From	To	SPF	# of Shots
Mesaverde	9133	9135	3	6
Mesaverde	9177	9180	3	9
Mesaverde	9237	9246	3	27
Mesaverde	9332	9334	3	6
Mesaverde	9385	9387	3	6
Mesaverde	9401	9404	3	9
Mesaverde	9441	9447	4	24
Mesaverde	9514	9518	4	16
Mesaverde	9526	9528	4	8
Mesaverde	9577	9581	4	16
Mesaverde	9713	9716	3	9
Mesaverde	9748	9760	3	36

**PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9470'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 9098 (50' below proposed CBP). Otherwise P/U a mill and C/O to 9098 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 9048'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
MESAVERDE	8842	8845	3	9
MESAVERDE	8882	8884	3	6
MESAVERDE	8906	8910	3	12
MESAVERDE	9014	9018	3	12
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8822' and trickle 250gal 15%HCL w/ scale inhibitor in flush . Tight spacing between stages 1 & 2.

7. Set 8000 psi CBP at ~8812'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	8578	8582	3	12
MESAVERDE	8732	8736	4	16
MESAVERDE	8778	8782	4	16

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8528' and trickle 250gal 15%HCL w/ scale inhibitor in flush. Tight spacing between stages.

9. Set 8000 psi CBP at ~8518'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	8306	8310	3	12
MESAVERDE	8348	8351	3	9
MESAVERDE	8410	8414	3	12
MESAVERDE	8486	8488	3	6

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~8256' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~8176'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	8070	8074	2	8
MESAVERDE	8132	8134	4	8
MESAVERDE	8140	8146	4	24

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~8020' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~7930'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	7852	7860	3	24
MESAVERDE	7894	7900	3	18

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~7802' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~7650'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7370	7372	3	6
WASATCH	7519	7524	3	15
WASATCH	7582	7584	4	8
WASATCH	7616	7620	3	12

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~7320' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~7038'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6834	6838	4	16
WASATCH	6922	6924	4	8
WASATCH	7002	7008	3	18

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~6784' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

19. Set 8000 psi CBP at ~6386'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6202	6206	4	16
WASATCH	6324	6330	3	18
WASATCH	6354	6356	4	8

20. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 8 on attached listing. Under-displace to ~6152' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

21. Set 8000 psi CBP at ~5730'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5690	5700	4	40

22. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 9 on attached listing. Under-displace to ~5640' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

23. Set 8000 psi CBP at ~5346'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5204	5210	4	24
WASATCH	5310	5316	3	18

24. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 10 on attached listing. Under-displace to ~5154' and flush only with recycled water.

25. Set 8000 psi CBP at ~5154'.

26. TIH with 3 7/8" mill, pump-off sub, SN and tubing.

27. Mill plugs and clean out to PDTD. Land tubing at ±9474' and pump off bit unless indicated otherwise by the well's behavior. This well will be commingled at this time.

28. RDMO

29. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

**For design questions, please call**  
**Sarah Schaftenaar, Denver, CO**  
**(303)-895-5883 (Cell)**  
**(720)-929-6605 (Office)**

**For field implementation questions, please call  
Robert Miller, Vernal, UT  
4350781 7041 (Office)**

NOTES:



[illegible]

**NBU 921-14A**  
**Perforation and CBP Summary**

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8842	8845	3	9	8840	to	8847
	MESAVERDE	8862	8864	3	6	8855.5	to	8855.5
	MESAVERDE	8906	8910	3	12	8870.5	to	8873.5
	MESAVERDE	9014	9018	3	12	8878	to	8886.5
	MESAVERDE		No perms			8803.5	to	8812
	MESAVERDE		No perms			8813	to	8814.5
	MESAVERDE		No perms			8816.5	to	8818
	MESAVERDE		No perms			8820	to	8829
	MESAVERDE		No perms			8848.5	to	8852
	MESAVERDE		No perms			8853	to	8854
	MESAVERDE		No perms			8857	to	8858
	MESAVERDE		No perms			8875.5	to	8876
	MESAVERDE		No perms			8886	to	8887
	MESAVERDE		No perms			9011	to	9011
	MESAVERDE		No perms			9013	to	9019
	# of Perfs/stage				39	CBP DEPTH	8,812	
2	MESAVERDE	8578	8582	3	12	8724	to	8728
	MESAVERDE	8732	8736	4	16	8732	to	8743.5
	MESAVERDE	8778	8782	4	16	8744.5	to	8746.5
	MESAVERDE		No perms			8773.5	to	8776
	MESAVERDE		No perms			8778	to	8785.5
	# of Perfs/stage				44	CBP DEPTH	8,518	
3	MESAVERDE	8306	8310	3	12	8301.5	to	8310.5
	MESAVERDE	8348	8351	3	9	8339.5	to	8354
	MESAVERDE	8410	8414	3	12	8408	to	8425
	MESAVERDE	8486	8488	3	6	8476	to	8481
	MESAVERDE		No perms			8486	to	8488.5
	MESAVERDE		No perms			8494	to	8496
	MESAVERDE		No perms			8506	to	8509
	MESAVERDE		No perms			8529	to	8533
	# of Perfs/stage				39	CBP DEPTH	8,176	
4	MESAVERDE	8070	8074	2	8	8069.5	to	8079.5
	MESAVERDE	8132	8134	4	8	8129	to	8135
	MESAVERDE	8140	8146	4	24	8138	to	8152.5
	MESAVERDE		No perms			8155	to	8164
	# of Perfs/stage				40	CBP DEPTH	7,930	
5	MESAVERDE	7852	7860	3	24	7845.5	to	7873
	MESAVERDE	7894	7900	3	18	7874.5	to	7880
	MESAVERDE		No perms			7883.5	to	7892
	MESAVERDE		No perms			7893.5	to	7905
	# of Perfs/stage				42	CBP DEPTH	7,650	
6	WASATCH	7370	7372	3	6	7370	to	7376
	WASATCH	7519	7524	3	15	7390	to	7394
	WASATCH	7582	7584	4	8	7503	to	7537.5
	WASATCH	7616	7620	3	12	7615	to	7619.5
	# of Perfs/stage				41	CBP DEPTH	7,038	
7	WASATCH	6834	6838	4	16	6833	to	6838
	WASATCH	6922	6924	4	8	6922	to	6925
	WASATCH	7002	7008	3	18	7002.5	to	7009
	# of Perfs/stage				42	CBP DEPTH	6,386	
8	WASATCH	6202	6206	4	16	6201.5	to	6208.5
	WASATCH	6324	6330	3	18	6309	to	6309.5
	WASATCH	6354	6356	4	8	6312.5	to	6321
	WASATCH		No perms			6322.5	to	6323.5
	WASATCH		No perms			6324.5	to	6333.5
	WASATCH		No perms			6336.5	to	6340.5
	WASATCH		No perms			6342.5	to	6345
	WASATCH		No perms			6349.5	to	6350
	WASATCH		No perms			6354	to	6359.5
	# of Perfs/stage				42	CBP DEPTH	5,730	
9	WASATCH	5680	5700	4	40	5682.5	to	5707
	# of Perfs/stage				40	CBP DEPTH	5,346	
10	WASATCH	5204	5210	4	24	5200.5	to	5218
	WASATCH	5310	5316	3	18	5306	to	5318.5
	# of Perfs/stage				42	CBP DEPTH	5,154	
Totals					411			

NBU 921-14A  
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8842	8845	3	9	8840	to	8847
	MESAVERDE	8882	8884	3	6	8855.5	to	8855.5
	MESAVERDE	8906	8910	3	12	8870.5	to	8873.5
	MESAVERDE	9014	9018	3	12	8878	to	8886.5
	MESAVERDE		No perms			8903.5	to	8912
	MESAVERDE		No perms			8913	to	8914.5
	MESAVERDE		No perms			8916.5	to	8918
	MESAVERDE		No perms			8920	to	8929
	MESAVERDE		No perms			8946.5	to	8952
	MESAVERDE		No perms			8953	to	8954
	MESAVERDE		No perms			8957	to	8959
	MESAVERDE		No perms			8975.5	to	8976
	MESAVERDE		No perms			8986	to	8987
	MESAVERDE		No perms			9011	to	9011
	MESAVERDE		No perms			9013	to	9019
	# of Perfs/stage				39	CBP DEPTH	8,812	
2	MESAVERDE	8578	8582	3	12	8724	to	8728
	MESAVERDE	8732	8736	4	16	8732	to	8743.5
	MESAVERDE	8778	8782	4	16	8744.5	to	8746.5
	MESAVERDE		No perms			8773.5	to	8776
	MESAVERDE		No perms			8778	to	8785.5
	# of Perfs/stage				44	CBP DEPTH	8,518	
3	MESAVERDE	8306	8310	3	12	8301.5	to	8316.5
	MESAVERDE	8348	8351	3	9	8339.5	to	8354
	MESAVERDE	8410	8414	3	12	8408	to	8425
	MESAVERDE	8486	8488	3	6	8476	to	8481
	MESAVERDE		No perms			8486	to	8489.5
	MESAVERDE		No perms			8494	to	8496
	MESAVERDE		No perms			8506	to	8509
	MESAVERDE		No perms			8529	to	8533
	# of Perfs/stage				39	CBP DEPTH	8,176	
4	MESAVERDE	8070	8074	2	8	8069.5	to	8079.5
	MESAVERDE	8132	8134	4	8	8129	to	8135
	MESAVERDE	8140	8146	4	24	8138	to	8152.5
	MESAVERDE		No perms			8155	to	8164
	# of Perfs/stage				40	CBP DEPTH	7,930	
5	MESAVERDE	7852	7860	3	24	7845.5	to	7873
	MESAVERDE	7894	7900	3	18	7874.5	to	7880
	MESAVERDE		No perms			7883.5	to	7892
	MESAVERDE		No perms			7893.5	to	7905
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	WASATCH	6354	6356	4	8	6312.5	to	6321
	WASATCH		No perms			6322.5	to	6323.5
	WASATCH		No perms			6324.5	to	6333.5
	WASATCH		No perms			6336.5	to	6340.5
	WASATCH		No perms			6342.5	to	6345
	WASATCH		No perms			6349.5	to	6350
	WASATCH		No perms			6354	to	6359.5
	# of Perfs/stage				42	CBP DEPTH	5,730	
9	WASATCH	5690	5700	4	40	5682.5	to	5707
	# of Perfs/stage				40	CBP DEPTH	5,346	
10	WASATCH	5204	5210	4	24	5200.5	to	5219
	WASATCH	5310	5316	3	18	5306	to	5318.5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.  
UTU-01193

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE LP

3a. Address  
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)  
435.781.7024

7. If Unit of CA/Agreement, Name and/or No.  
UNIT #891008900A

8. Well Name and No.  
NBU 921-14A

9. API Well No.  
4304739249

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE/NE SEC. 14, T9S, R21E 1239'FNL, 883'FEL

10. Field and Pool or Exploratory Area  
NATURAL BUTTES

11. Country or Parish, State  
UINTAH COUNTY, UTAH

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE OPERATOR HAS PERFORMED THE RECOMPLETE ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMPLETED THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH AND MESAVERDE FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATIONS. THE OPERATOR HAS PLACED THE SUBJECT WELL LOCATION ON PRODUCTION ON 02/22/2009 AT 11:00 AM.

PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

**RECEIVED**

**MAR 02 2009**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 02/24/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## ROCKIES

## Operation Summary Report

Well: NBU 921-14A	Spud Conductor: 3/21/2008	Spud Date: 3/31/2008
Project: UTAH	Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: RECOMPLETION	Start Date: 2/16/2009	End Date:
Active Datum: RKB @4,789.00ft (above Mean Sea Level)	UWI: NBU 921-14A	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/16/2009	7:00 - 7:30	0.50	COMP	48		P		SAFETY MEETING
	7:30 - 17:00	9.50	COMP	37		P		MIRU KILL WELL W/40 BBL 2 % NIPPLE DOWN TREE NIPPLE UP BOP UNLAND TBG POOH MIRU CUTTERS RIH W/ GAUGE RING TO 9100' POOH RIH W/ 8K CBP SET @ 9048' FILL HOLE PRESS UP TO 2500# CBP GAVE UP RIH TO 9060' NO TAG PUH TO 9038 SET 8K CBP FILL HOLE TEST TO 7500# GOOD TEST RIH W/ 3,3/8 GUNS 23 GM .36 HOLES PERF @ 8842'-45' 3 SPF 8882'-84' 3 SPF 8906'-10' 3 SPF 9014'-18' 3 SPF NO BLOW SDFN
2/17/2009	7:00 - 7:30	0.50	COMP	48		P		SAFETY MEETING
	7:30 - 18:00	10.50	COMP	36		P		MIRU CUTTERS & WEATHERFORD TO FRAC STAGE #1 BRK PERF @ 3285# INJ RT 51.5 BPM INJ PSI 5000# ISIP 2200# FG .69 FRAC W/82629# 30/50 SAND + 5109# 20/40 RESIN COATED SAND + 2526 BBL SLICKWATER MP 5951# MR 53.5 BPM AP 4863# AR 50.6 BPM ISIP 3147# FG .80 NPI 947# STAGE #2 RIH SET 8K CBP @8812' PWERF @ 8578'-82' 3 SPF 8732'-36' 4 SPF 8778'-82' 4 SPF BRK PERF @ 3155# INJ RT 51 BPM INJ PSI 5350# ISIP 2872# FG .77 FRAC W/ 11717# 30/50 SAND + 5177# 20/40 RESIN COATED SAND + 561 BBL SLICKWATER MP 6426 MR 52.2 BPM AP 4852# AR 51.6 BPM ISIP 2983# FG .70 NPI 111#  STAGE #3 RIH SET 8K CBP @8518' PERF @ 8306'-10'3 SPF 8348'-51' 3 SPF 8410'-14' 3 SPF 8486'-88' 3 SPF BRK PERF @ 4075# INJ RT 51.5 BPM INJ PSI 5200# ISIP 2697# FG .76 FRAC W/ 96052# 30/50 SAND + 4559# 20/40 RESIN COATED SAND + 2764 BBL SLICKWATER MP 6134# MR 52.2 BPM AP 4953# AR 51.3 BPM ISIP 3300# FG .84 NPI 603#  STAGE RIH SET 8K CBP @ 8176' PERF @ 8070'-74' 2 SPF 8132'-34' 4 SPF 8140'-46' 4 SPF BRK PERF @ 5519# INJ RT 50.9 INJ PSI 4500# ISIP 2435# FG .74 FRAC W/15199# 30/50 SAND + 5076# 20/40 RESIN COATED SAND + 636 BBL SLICKWATER MP 6153# MR 53.4 BPM AP 4660# AR 50.8 BPM ISIP 2464# FG .75 NPI 29#  STAGE # 5 RIH SET 8K CBP @ 7930' PERF @ 7852'-60' 3 SPF 7894'-7900' 3 SPF SDFN
2/18/2009	7:00 - 7:30	0.50	COMP	48		P		SAFETY MEETING

## ROCKIES

## Operation Summary Report

Well: NBU 921-14A		Spud Conductor: 3/21/2008		Spud Date: 3/31/2008	
Project: UTAH		Site: UINTAH			Rig Name No: MILES-GRAY 1/1
Event: RECOMPLETION		Start Date: 2/16/2009		End Date:	
Active Datum: RKB @4,789.00ft (above Mean Sea Level)			UWI: NBU 921-14A		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	36		P		BRK PERF @ 2848# INJ RT 51 BPM INJ PSI 4300# ISIP 1924# FG .69 FRAC W/ 79420# 30/50 SAND + 5234# 20/40# RESIN COATED SAND + 2302 BBL SLICKWATER MP 5289# MR 51.5 BPM AP 4202# AR 51 BPM ISIP 2800# FG .80 NPI 876#
								STAGE #6 RIH SET 8K CBP @ 7390'-92' 3 SPF 7519'-24' 3 SPF 7590'-92' 4 SPF 7616'-20' 3 SPF BRK PERF @ 2357# INJ RT 51.6 BPM INJ PSI 4400# ISIP 1238# FG .61 FRAC W/ 40229# 30/50 SAND + 5038# 20/40 RESIN COATED SAND MP 5846# MR 51.9 BPM AP 4399# AR 51.6 BP ISIP 2576# FG .79 NPI 1338#
								STAGE #7 RIH SET 8K CBP @ 7038' PERF @ 6834'-38' 4 SPF 6922'-24' 4 SPF 7002'-08' 3 SPF BRK PERF @ 2335# INJ RT 51.5 BPM INJ PSI 4400# ISIP 1423# FG .65 FRAC W/13511# 30/50 SAND + 5135# 20/40 RESIN COATED SAND + 567 BBL SLICKWATER MP 5628# MR 52.1 BPM AP 4294# AR 51.1 BP ISIP 1685# FG .69 NPI 262#
								STAGE #8 RIH SET 8K CBP @ 6386' PERF @ 6202'-6' 4 SPF 6324'-30' 3 SPF 6354'-56' 4 SPF BRK PERF @ 2005# INJ RT 50 BPM INJ PSI 3000# ISIP 1375# FG .66 FRAC W/ 26427# 30/50 SAND + 5143# 20/40 RESIN COATED SAND + 869 BBL SLICKWATER MP 3510# MR 50.9 BPM AP 2834# AR 49.9 BPM ISIP 1196# FG .63 NPI -179#
								STAGE #9 RIH SET 8K CBP @ 5730' PERF @ 5690'-5700' 4 SPF BRK PERF @ 2114# INJ RT 50 BPM INJ PSI 3250# ISIP 689# FG .56 FRAC W/ 45355# 30/50 SAND + 5049# 20/40 RISEN COATED SAND + 1309 BBL SLICKWATER MP 3516# MR 50 BPM.3 AP 2625# AR 50 BPM ISIP 1465# FG .70 NPI 776#
								STAGE #10 RIH SET 8K CBP @5346' PERF @ 5204'-10' 4 SPF 5310'-16' 3 SPF BRK PERF @ 1774# INJ RT 50 BPM INJ PSI 2800# ISIP 845# FG .60 FRAC W/ 55103# 30/50 SAND + 4499# 20/40 RESIN COATED SAND + 1505 BBL SLICKWATER MP 3698# MR 50.3 BP AP 2772# AR 50 BPM ISIP 1603# FG .75 NPI 758#
								RIH SET 8K CBP @5154' RIG DOWN WEATHERFORD & CUTTERS NIPPLE DOWN FRAC VALVES NIPPLE UP BOP RIH W/ 3,7/8 MILL -POBS TAG @ 5154' RIG UP DRILLING EQUIP SDFN
2/19/2009	7:00 - 7:30	0.50	COMP	48		P		SAFETY MEETING
	7:30 - 18:00	10.50	COMP	31		P		RIG UP SWIVEL BRK CIRC DRILL OUT CBP @ 5154' NO KICK RIH TAG @ 5316' 30' SAND ON CBP DRILL OUT SAND & CBP 5346' RIH TAG @ 5700' 30' SAND ON CBP DRILL OUT SAND COULD NOY DRILL CBP POOH POBS IS PARTED CALL F/ FISH ING TOOLS MAKE UP TOOLS 3,7/8 OVERSHOT-B.S.- JARS RIH FISH TOP @ 5729' LATCH FISH PULL & LAY DOWN 1 JT WELL START TO FLOW SWISDFN
2/20/2009	7:00 - 7:30	0.50	COMP	48		P		SAFETY MEETING

## ROCKIES

## Operation Summary Report

Well: NBU 921-14A		Spud Conductor: 3/21/2008		Spud Date: 3/31/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES-GRAY 1/1	
Event: RECOMPLETION		Start Date: 2/16/2009		End Date:	
Active Datum: RKB @4,789.00ft (above Mean Sea Level)		UWI: NBU 921-14A			

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	31		P		500# FCP BLOW WELL DOWN KILL W/ 100BBL 10# BRINE WATER POOH W/ FISH LAY DOWN FISH & TOOLS RIH W/ POBS & 3,7/8 BIT TAG @6356' RIG UP SWIVEL BRK CIRC W/ AIR FOAM DRILL OUT 30' OF SAND & CBP @ 6386' RIH TAG @ 7010' 30' ON CBP DRILL OUT SAND & CBP @ 7038' 200# KICK RIH TAG @ 7620' 30' SAND ON CPB DRILL OUT SAND & CBP @ 7650' 300# KICK RIH TAG @ 7900' 30' SAND ON CBP DRILL OUT SAND & CBP @ 7930'
2/21/2009	7:00 - 7:30	0.50	COMP	48		P		SAFETY MEETING
	7:30 - 17:00	9.50	COMP	31		P		RIH TAG @ 8148' 30' SAND ON CBP DRILL OUT SAND & CBP 200# KICK RIH TAG @ 8488' 30' SAND ON CBP DRILL OUT SAND & CBP @ 8518' 300# KICK RIH TAG @ 7898' 30' SAND ON CBP DRILL OUT SAND & CBP @ 8812' LOST CONE OFF BIT PULL & LAY DOWN 10 JTS 2,3/8 TBG LAND ON WELL HEAD W/ 268 JTS 2,3/8 EOT 8501.99' MIRU CUTTERS PERF TBG @ ( NOTE 1 & 1/2 PLUGS LEFT TO DRILL) TBG DETAIL KB 14.00 HANGER .83 268 JTS 2,3/8 L-80 TBG 8483.12 XN-NIPPLE 2.20 EOT 8501.99
2/22/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1500#, TP 1300#, 18/64" CK, 40 BWPH, CUP SAND, LIGHT GAS TTL BBLS RECOVERED: 720 BBLS LEFT TO RECOVER: 13534
2/23/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1700#, TP 1350#, 18/64" CK, 35 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 1605 BBLS LEFT TO RECOVER: 12649

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-011931a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☐ New Well ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

Other: \_\_\_\_\_

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE LP3. Address  
1368 SOUTH 1200 EAST VERNAL, UTAH 840783a. Phone No. (include area code)  
435.781.70246. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE7. Unit or CA Agreement Name and No.  
UNIT #891008900A8. Lease Name and Well No.  
NBU 921-14A

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface NE/NE 1239'FNL, 883'FEL

At top prod. interval reported below

At total depth

14. Date Spudded  
03/21/200815. Date T.D. Reached  
04/25/200816. Date Completed 02/22/2009  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
4777'GL18. Total Depth: MD 9870'  
TVD19. Plug Back T.D.: MD 9823'  
TVD20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
N/A22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14" STEEL	36.7#		40'		28 SX			
12 1/4"	9 5/8" J-55	36#		2760'		600 SX			
7 7/8"	4 1/2 I-80	11.6#		9870'		1785 SX			

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	8502'							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5204'	7620'	5204'-7620'	0.36	171	OPEN
B) MESAVERDE	7852'	9018'	7852'-9018'	0.36	155	OPEN
C)						
D)						

## 26. Perforation Record

## 27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5204'-7620'	PMP 5465 BBLs SLICK H2O & 205,490# 30/50 OTTOWA SD
7852'-9018'	PMP 8789 BBLs SLICK H2O & 310,175# 30/50 OTTOWA SD

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2/22/09	3/4/09	24	→	0	2034	500			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	1109#	1588#	→	0	2034	500		PRODUCING GAS WELL	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2/22/09	3/4/09	24	→	0	2034	500			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	1109#	1588#	→	0	2034	500		PRODUCING GAS WELL	

\*(See instructions and spaces for additional data on page 2)

amended

RECEIVED

MAR 23 2009

DIV. OF OIL, GAS &amp; MINING



## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1684'				
BIRDS NEST	2037'				
MAHOGANY	2378'				
WASATCH	5046'	7840'			
MESAVERDE	7845'	9827'			

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 03/17/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01193
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 921-14A
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1239 FNL 0883 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 14 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047392490000
<b>PHONE NUMBER:</b> 720 929-6511		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/23/2013	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <span style="border: 1px solid black; padding: 2px;">Production Enhancement</span>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The operator conducted the following workover/wellbore cleanout on the subject well on 04/23/2013. Please see the attached well history for details. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 09, 2013		
<b>NAME (PLEASE PRINT)</b> Teena Paulo	<b>PHONE NUMBER</b> 720 929-6236	<b>TITLE</b> Staff Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/9/2013	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 921-14A				Spud Conductor: 3/21/2008				Spud Date: 3/31/2008			
Project: UTAH-UINTAH				Site: NBU 921-14A				Rig Name No: SWABBCO 8/8			
Event: WELL WORK EXPENSE				Start Date: 4/19/2013				End Date: 4/23/2013			
Active Datum: RKB @4,789.00usft (above Mean Sea Level)				UWI: NBU 921-14A							
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation			
4/19/2013	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA			
	7:15 - 9:00	1.75	MAINT	30	A	P		75# FCP, MIRU, CONTROL CSG W/ 30 BBLS T-MAC, ND WH, NU BOP'S, RU FLOOR & TBG EQUIP			
	9:00 - 12:00	3.00	MAINT	31	I	P		UNLAND TBG, TIH W/ 2-3/8" TBG, TAG FILL @ 9,550' (210' ABOVE BTM PERFS), MIRU SCAN TECH, TOO H SCANNING TBG, SCANNED OUT 72 JTS TBG & TRIED TO PUMP DN TBG W/ RIG PUMP, TBG PRESSURED UP & HELD, SUHT DN & WAIT FOR TBG PUNCH			
	12:00 - 14:30	2.50	MAINT	34	H	P		MIRU CASED HOLE SOULTIONS, RIH W/ 4 SHOT TBG PUNCHER, PERF TBG @ 6,300', POOH RD CASED HOLE SOULTIONS			
	14:30 - 17:30	3.00	MAINT	31	I	P		TOOH SCANNING REMAINING 197 JTS TBG, SCAN SHOWED 258 GOOD JTS & 11 BAD, 10 JTS WERE REJECTED DUE TO WALL LOSS GREATER THAN 30% & THE BOTTEM JNT HAD PERF HOLES IN IT DRAIN PUMP & LINES, SDFWE.			
	17:30 - 18:00	0.50	MAINT	30	C	P					
4/22/2013	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA			
	7:15 - 9:45	2.50	MAINT	31	I	P		100# FCP, CONTROL WELL W/ 20 BBLS T-MAC, P/U 3-7/8" MILL, TIH W/ 2-3/8" TBG, TAG FILL @ 9,528' (232' ABOVE BTM PERF)			
	9:45 - 13:45	4.00	MAINT	44	D	P		MIRU PWR SWVL, MIRU GROSS FOAM, ESTB CIRC IN 2 HRS, C/O FROM 9,528' - 9,820' (60' BELOW BTM PERF), CIRC WELL CLEAN FOR 40 MINS			
	13:45 - 17:00	3.25	MAINT	31	I	P		TOOH W/ 2-3/8" TBG, LD 3-7/8" MILL, SWI, SDFN			
4/23/2013	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA			
	7:15 - 11:00	3.75	MAINT	31	I	P		M/U LSN, TIH W/ 2-3/8" TBG, BROACH TBG W/ 1.910 BROACH EVERY 40 STANDS, LAND TBG ON HANGER W/ 256 JTS TOTAL, 238 JTS L-80, 18 JTS J-55			
	11:00 - 12:30	1.50	MAINT	30	C	P		ND BOP'S, NU WH, DROP STANDING VALVE & PRESSURE TEST TBG TO 500 PSI			
	12:30 - 14:30	2.00	MAINT	42	B	P		MIRU SANDLINE EQUIP, MAKE TWO SWAB RUNS, RIH RETRIEVE STANDING VALVE			
	14:30 - 17:00	2.50	MAINT	30	C	P		RD MOVE TO NBU 921-22C PAD			
								KB 14'			
								HANGER .83'			
								238 JTS L-80 TBG 7,524.66'			
								18 JTS J-55 TBG 551.82'			
								LSN 1.50'			
								EOT @ 8,092.81'			
								TWLTR 250 BBLS			
4/24/2013	7:00 - 17:30	10.50	MAINT	42				FLUID LEVEL WAS 5400'. BEGAN SWABBING AND MADE 10 RUNS, BUT DID NOT GET WELL ON.			
4/25/2013	7:00 - 17:00	10.00	MAINT	42				FLUID LEVEL WAS 5100'. BEGAN SWABBING AND MADE A TOTAL OF 6 RUNS. TRIED TO DROP A PLUNGER IN AND IT DID NOT COME BACK.			

## US ROCKIES REGION

## Operation Summary Report

Well: NBU 921-14A		Spud Conductor: 3/21/2008		Spud Date: 3/31/2008				
Project: UTAH-UINTAH		Site: NBU 921-14A		Rig Name No: SWABBCO 8/8				
Event: WELL WORK EXPENSE		Start Date: 4/19/2013		End Date: 4/23/2013				
Active Datum: RKB @4,789.00usft (above Mean Sea Level)		UWI: NBU 921-14A						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/26/2013	7:00 - 17:00	10.00	MAINT	42				FLUID LEVEL WAS 4800'. BEGAN SWABBING AND MADE A TOTAL OF 5 RUNS. TRIED TO DROP PLUNGER 2 TIMES AND IT DID NOT COME UP.